

FIG.1

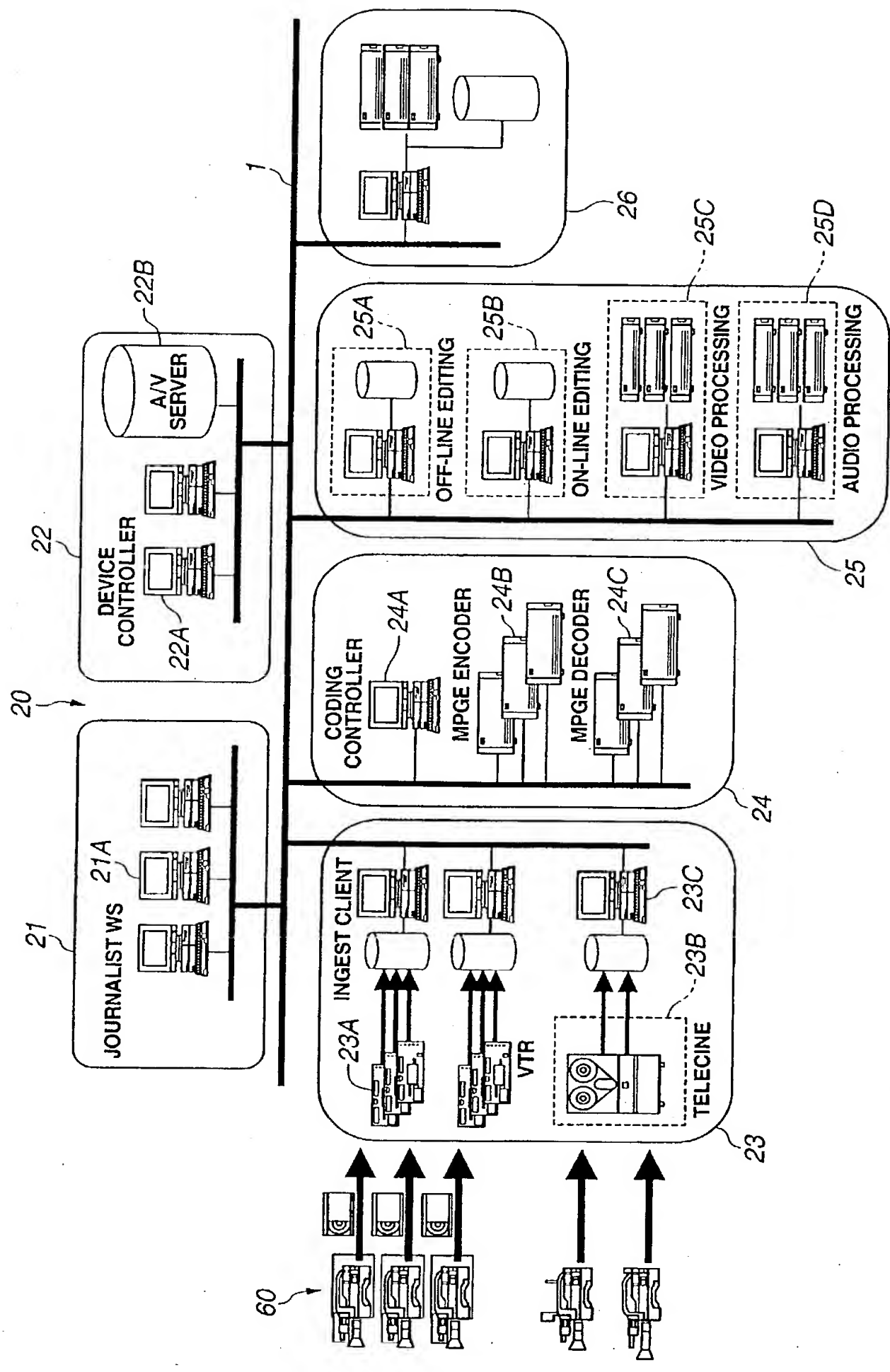


FIG.2

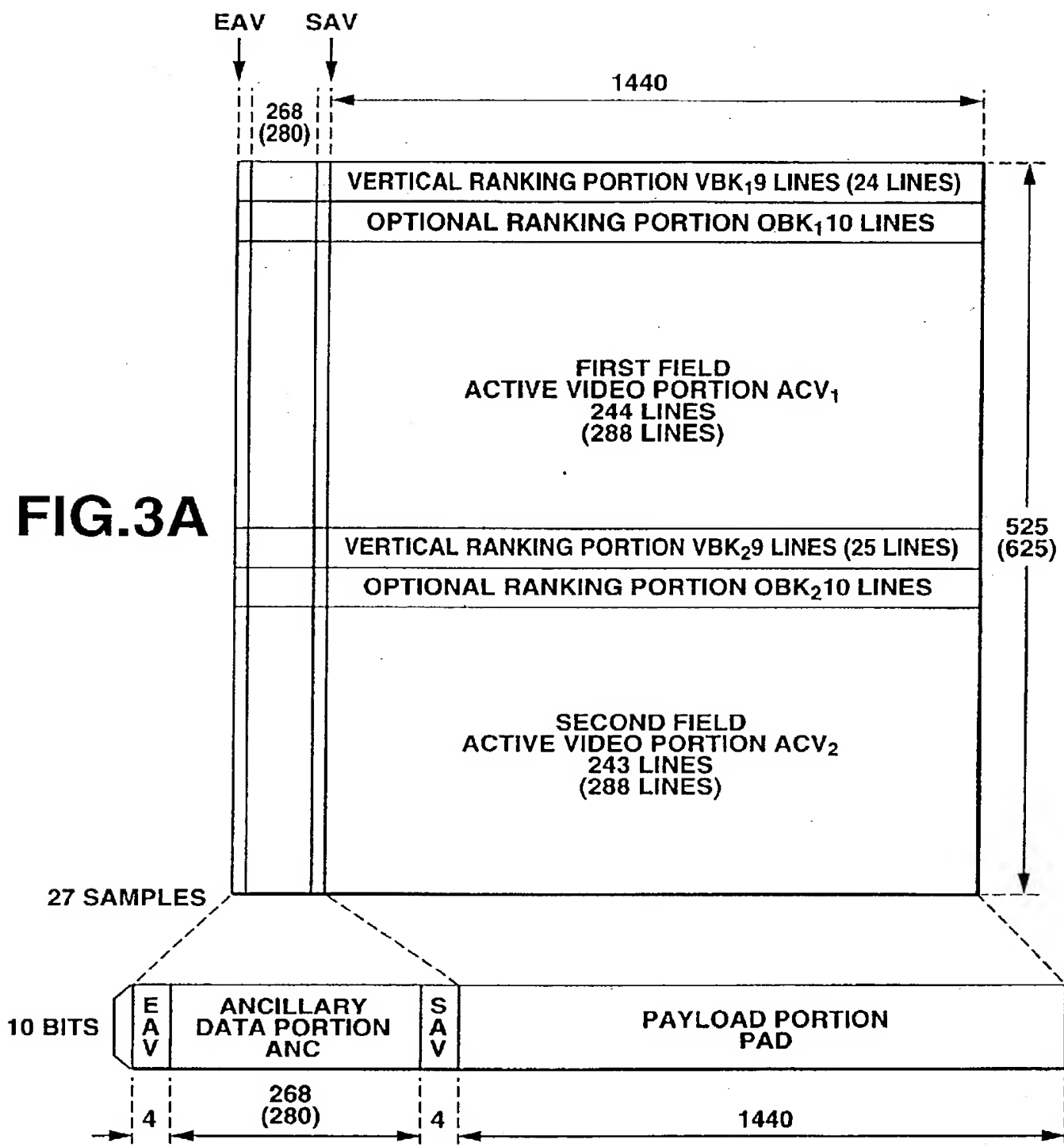


FIG.3B

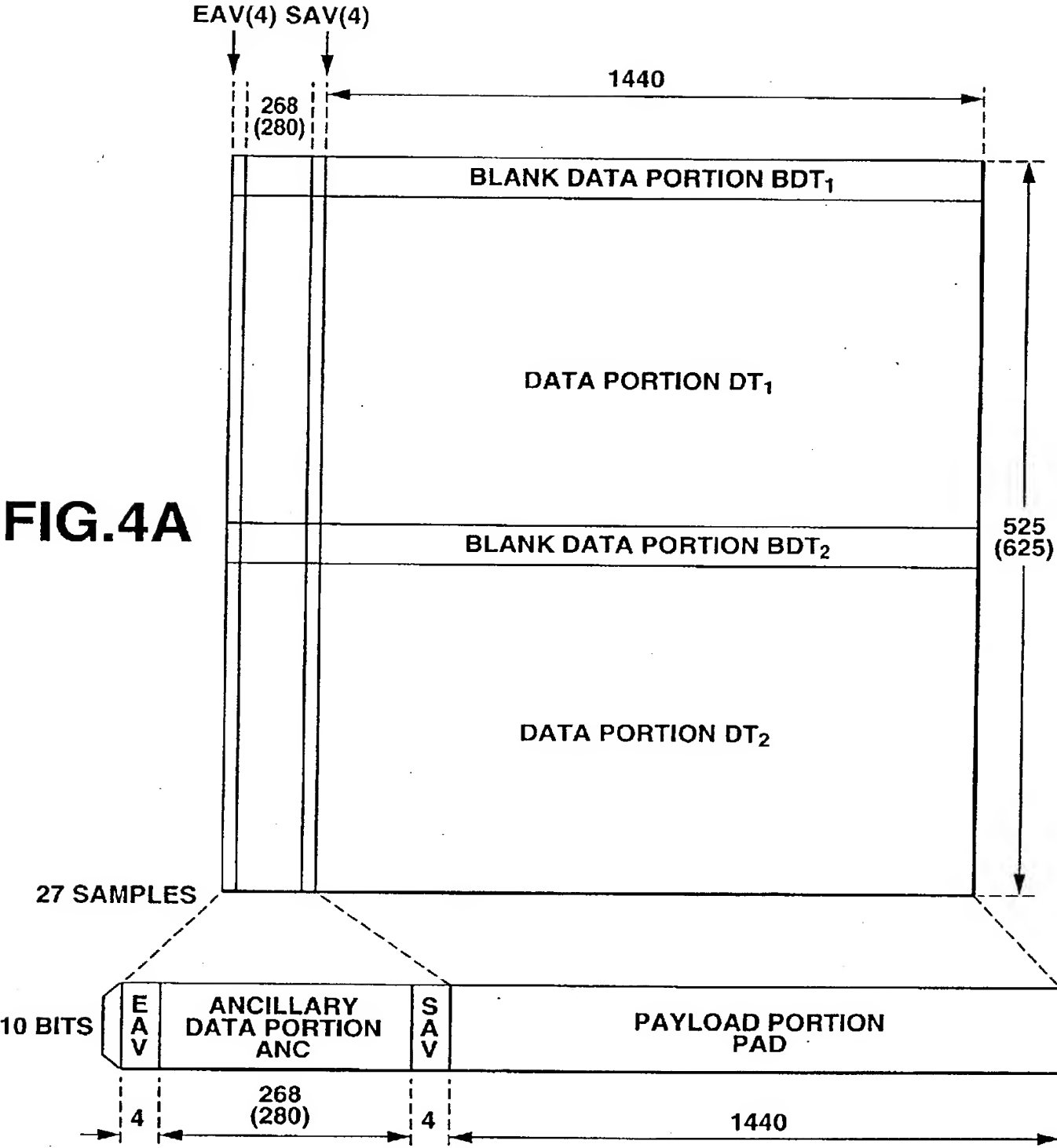


FIG.4B

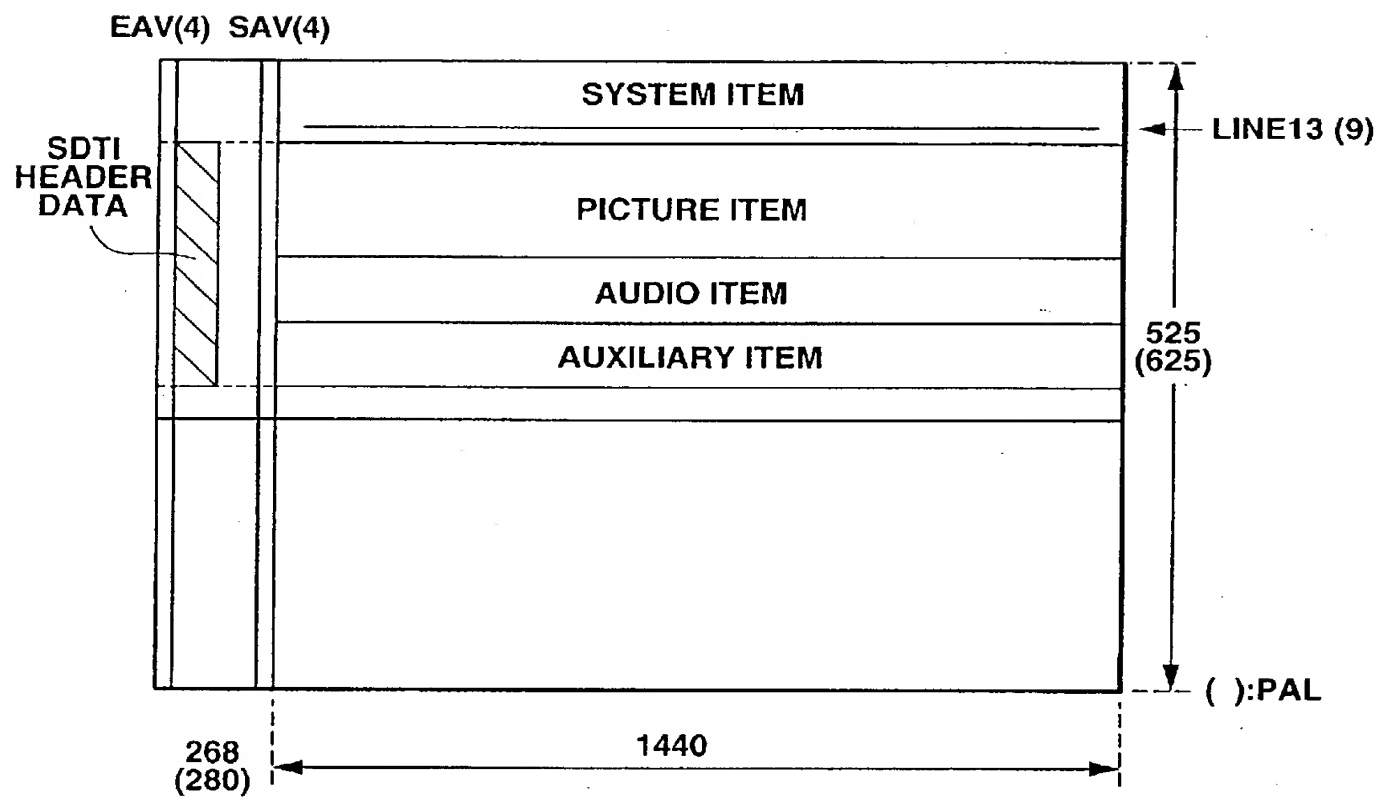


FIG.5

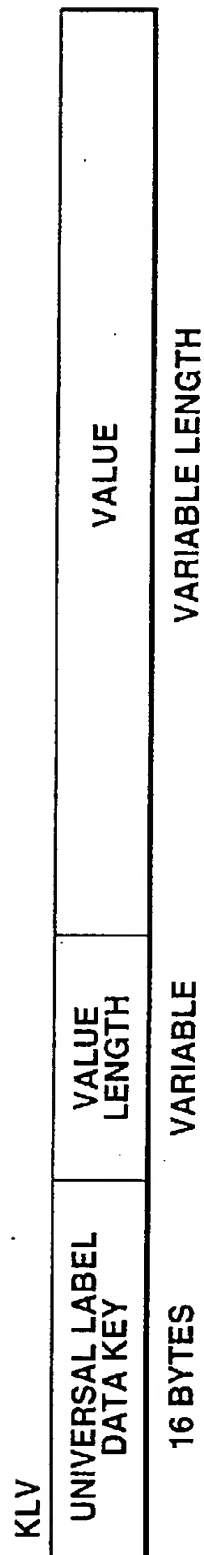


FIG.6

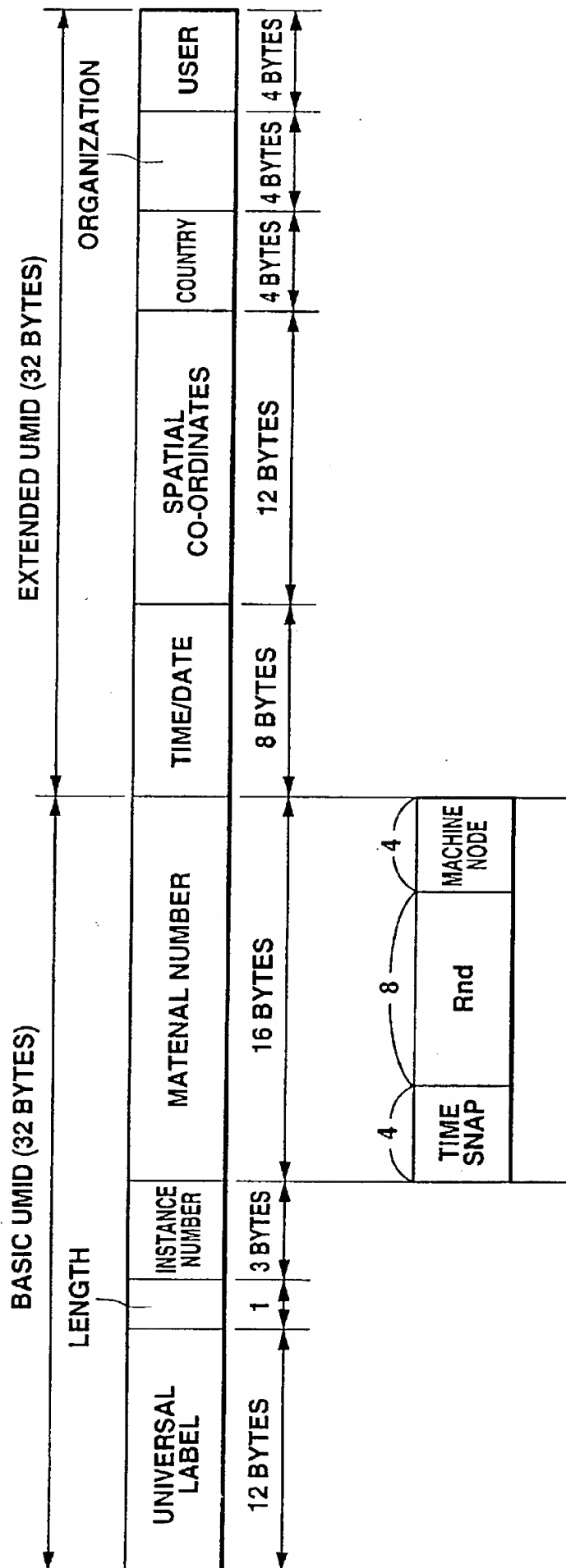


FIG.7

Line #	SMPTE label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Mode/Leaf	Defining Document
1	01	00	00	00	00	00	IDENTIFIERS & LOCATORS	Class 1 ID and Locator	#REF!	Class 1 metadata is reserved for abstract identifiers & locators			Node	
2	01	01	00	00	00	00	Globally Unique Identifiers	Globally Unique ID	#REF!	Unique identifiers and locators			Node	
3	01	01	01	xx	N/A	N/A	UMID Video	UMID Video	#REF!	Unique Material Identifier for video essence. Note - the UMID has a 12 byte SMPTE label		As per standard	Leaf	
4	01	01	02	xx	N/A	N/A	UMID Audio	UMID Audio	#REF!	Unique Material Identifier for audio essence. Note - the UMID has a 12 byte SMPTE label		As per standard	Leaf	
5	01	01	03	xx	N/A	N/A	UMID Data	UMID Data	#REF!	Unique Material Identifier for data essence. Note - the UMID has a 12 byte SMPTE label		As per standard	Leaf	
6	01	01	04	xx	N/A	N/A	UMID System	UMID System	#REF!	Unique Material Identifier for system information. Note - the UMID has a 12 byte SMPTE label		As per standard	Leaf	
7	01	01	10	00	00	00	International broadcasting organisation identifiers	International Broadcasting Station ID	#REF!	Internationally recognised identifiers registered by broadcasting organisations			Node	
8	01	01	10	01	00	00	Organisation Identifiers	Organisation Class	#REF!	The broadcasting organisation concerned	127 bytes max	ISO 7-bit char	Leaf	
9	01	01	10	03	00	00	Programme Identifiers	Program ID	#REF!	Unique programme identifiers			Node	
10	01	01	10	03	01	00	UPID	UPID	#REF!	Unique Program Identifier (ATSC A157)		As per standard	Leaf	
11	01	01	10	03	02	00	UPN	UPN	#REF!	Unique Programme Number (ITVA)		As per standard	Leaf	
12	01	01	10	04	00	00	Physical Media Identifiers	Media ID	#REF!	Physical media identifiers			Node	
13	01	01	10	04	01	00	Tape Identifiers	Same as 64	#REF!	Tape identifiers			Node	
14	01	01	10	04	01	01	IBTN	EBU ID No	#REF!	EBU International Broadcast Tape Number		As per standard	Leaf	
15	01	01	11	00	00	00	ISO Identifiers	ISO ID	#REF!	Unique identifier (ISAN)			Node	

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16	01	01	01	11	01	00	00	00	00	00	ISAN	ISO Audio Visual No	ISO Audio-Visual Number	#REF!	As per standard		Leaf
17	01	01	01	11	02	00	00	00	00	00	ISBN	ISO Book No	ISO Book Number	#REF!	As per standard		Leaf
18	01	01	01	11	03	00	00	00	00	00	ISSN	ISO Serial No	ISO Serial Number	#REF!	As per standard		Leaf
19	01	01	01	11	04	00	00	00	00	00	ISWC	ISO Musical Work Record	ISO Musical Work Code	#REF!	As per standard		Leaf
20	01	01	01	11	05	00	00	00	00	00	ISMN	ISO Printed Music No	ISO Printed Music Number	#REF!	As per standard		Leaf
21	01	01	01	11	06	00	00	00	00	00	ISCI	ISO Commercial No	ISO Commercial Identifier	#REF!	As per standard		Leaf
22	01	01	01	11	07	00	00	00	00	00	ISPC	ISO Recording Code	ISO Recording Code	#REF!	As per standard		Leaf
23	01	01	01	11	08	00	00	00	00	00	ISRN	ISO Report No	ISO Report Number	#REF!	As per standard		Leaf
24	01	01	01	11	09	00	00	00	00	00	ISBD	ISO Term Synopsis	ISO Bibliographic Descriptor	#REF!	As per standard		Leaf
25	01	01	01	11	04	00	00	00	00	00	ISTC	ISO Textual Work Code	ISO Textual Work Code	#REF!	As per standard		Leaf
26	01	01	01	13	01	00	00	00	00	00	DOI	Digital Object No	Digital Object Identifier	#REF!	As per standard		Leaf
27	01	01	01	14	00	00	00	00	00	00	Compound IDs	Compound ID	Compound Identifiers	#REF!			Node
28	01	01	01	14	01	00	00	00	00	00	SCI	Serial Item and Contribution ID	Serial Item and Contribution Identifier	#REF!	As per standard		Leaf
29	01	01	01	14	02	00	00	00	00	00	BICI	Book Item and Component ID	Book Item and Component Identifier	#REF!	As per standard		Leaf
30	01	01	01	14	03	00	00	00	00	00	ACI	Audio-Visual Item and Component ID	Audio-Visual Item and Component Identifier	#REF!	As per standard		Leaf
31	01	01	01	14	04	00	00	00	00	00	PFI	Publisher ID	Publisher Item Identifier	#REF!	As per standard		Leaf
32	01	01	01	15	00	00	00	00	00	00	Object identifiers	Same as 66	Object identifiers	#REF!			Node
33	01	01	01	15	01	00	00	00	00	00	GUID	Internet Globally Unique ID	The Internet Engineering Task Force 16 byte Globally Unique Identifier	#REF!	As per standard		Leaf

Line #	SMPTTE label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
35	01 01 15 02 00 00 00 00	00	00	00	00	GUID and SMPTTE label identifiers	SMPTTE Level	Identifier containing SMPTTE label or 16 byte GUID	35REF				Node	
36	01 01 15 02 01 00 00 00	00	00	01	00	MetaID	ID of Metadata Object	Identifies the Metadata Object with a SMPTTE label or GUID	36REF	AUID	16 bytes		Leaf	W25.52
37	01 01 15 02 02 00 00 00	00	00	02	00	Definition object identifiers	Details of Object ID		37REF				Node	
38	01 01 15 02 02 01 00 00	00	00	02	01	Definition Object Identification	Details of Object ID	Defines SMPTTE label or GUID for definition object	38REF	AUID	16 bytes		Leaf	W25.52
39	01 01 15 02 02 02 00 00	00	00	02	02	Generator AUID	Version Display of Container	Defines an identifier association with version of container	39REF	AUID	16 bytes		Leaf	W25.52
40	01 01 13 00 00 00 00 00	00	00	00	00	CNRI Handles	CNRI	Corporation for National Research Initiatives (CNRI) Identifier(s)	40REF				Node	
41	01 01 16 00 00 00 00 00	00	00	00	00	Device Identifiers	Device ID	Unique identifiers for any device used in programme production - cameras, microphones, editing, colour grading etc	41REF				Node	
42	01 01 15 01 00 00 00 00	00	00	00	00	Device Designation	Device Designation	Identifies the 'house name' of the device used in capturing or generating the essence	42REF	ISO 7-bit char string	32 chars max		Leaf	
43	01 01 16 02 00 00 00 00	00	00	00	00	Device Make	Device Preparation	Identifies the device make used in capturing or generating the essence.	43REF	ISO 7-bit char string	32 chars max		Leaf	
44	01 01 15 03 00 00 00 00	00	00	00	00	Device Model	Device Model	Identifies the device model used in capturing or generating the essence.	44REF	ISO 7-bit char string	32 chars max		Leaf	
45	01 01 15 04 00 00 00 00	00	00	00	00	Device Serial Number	Device Serial No	Alphanumeric serial number identifying the individual device	45REF	ISO 7-bit char string	32 chars max		Leaf	
46	01 02 00 00 00 00 00 00	00	00	00	00	Globally Unique Locators	Globally Unique Locator	Location identifiers	46REF				Node	
47	01 02 01 00 00 00 00 00	00	00	00	00	UR locators (and 'identifiers')	Unique Resource ID	Unique Resource IDs	47REF				Node	
48	01 02 01 01 00 00 00 00	00	00	00	00	URL	Unique Resource Locator	Unique Resource Locator	48REF				Type Node	
49	01 02 01 01 01 00 00 00	00	00	01	00	URL	Unique Resource Locator	Unique Resource Locator	49REF	ISO 7-bit char string	127 bytes max		Leaf	

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43	01	02	01	01	02	00	00	00	00	Unicode String	Unicode URL String	Contains a Unicode URL String	Unicode String	Variable	Leaf	W25.52
50	01	02	01	02	00	00	00	00	00	PURL	Persistent URL	Persistent Universal Resource Locator	ISO 7-bit char	127 bytes max	Leaf	
51	01	02	01	03	00	00	00	00	00	URN	Resource Name	Unique Resource Name	ISO 7-bit char	127 bytes max	Leaf	
52	01	02	02	00	00	00	00	00	00	Media locators	Media Locator	Locators for a digital media, data, metadata file etc			Node	
53	01	03	01	00	00	00	00	00	00	Local identifiers	Local ID	Identifier unique to the local context			Node	
54	01	03	01	01	00	00	00	00	00	Administrative identifiers	Administration ID	Identifiers relating to Business and Administration			Node	
55	01	03	01	01	01	00	00	00	00	Transmission identifier	Transmission ID	Identifier for transmission control	ISO 7-bit char string	32 chars max	Leaf	
56	01	03	01	01	02	00	00	00	00	Archive identifier	Archive ID	Identifier for archival purposes	ISO 7-bit char string	32 chars max	Leaf	
57	01	03	01	01	03	00	00	00	00	Item ID	Item ID	Identifier of a content item	ISO 7-bit char string	32 chars max	Leaf	
58	01	03	01	01	04	00	00	00	00	Accounting Reference	Reference No for Accounting Purposes	Reference number for accounting purposes	ISO 7-bit char string	32 chars max	Leaf	
59	01	03	01	01	05	00	00	00	00	Traffic	Transmission Billing	Identifier for transmission management and/or billing	ISO 7-bit char string	32 chars max	Leaf	
60	01	03	01	02	00	00	00	00	00	Physical Media identifiers	Same as 13	Organisationally given identifiers for physical media			Node	
61	01	03	01	02	01	00	00	00	00	Film codes	Film Code	Organisationally given identifiers for film			Node	
62	01	03	01	02	01	01	00	00	00	Reel/roll number	Reel No	An organisationally given number for a film reel or roll	ISO 7-bit char	32 chars max	Leaf	
63	01	03	01	02	02	00	00	00	00	Tape identifiers	Tape ID	Organisationally given identifiers for tape			Node	
64	01	03	01	02	02	01	00	00	00	Tape number	Tape No	An organisationally given number for a tape	ISO 7-bit char	32 chars max	Leaf	
65	01	03	02	00	00	00	00	00	00	Object identifiers	Object ID	Object identifiers			Node	
66	01	03	02	01	00	00	00	00	00	LUID	Locally Unique ID	A 4 byte locally unique ID	Unicode	4 bytes	Leaf	

Line #	SMPT Label								Data Element Name	Japanese Names	Data Element Definition	Unit	Type	Value Length	Value Range	Model/Leaf	Defining Document
57	01	03	02	02	00	00	00	00	Slot ID	Specifies an identifier local to the metadata object	#REF!	UInt32	4 bytes		Leaf	W25.52	
58	01	03	02	03	00	00	00	00	Object Text Identifiers	Identifies object by local name	#REF!				Node		
59	01	03	02	03	01	00	00	00	Mob_Name	Identifies the mob by name	#REF!	Unicode String	variable		Leaf	W25.52	
70	01	03	02	03	02	00	00	00	SlotName	Identifies the slot by name	#REF!	Unicode String	variable		Leaf	W25.52	
71	01	03	02	03	03	00	00	00	DefinitionObject_Name	Specifies name of definition object	#REF!	Unicode String	variable		Leaf	W25.52	
72	01	04	05	00	00	00	00	00	Local Locators	Local location information for linking metadata together	#REF!				Node		
73	01	04	05	01	00	00	00	00	Local Media Locators	Locators for a digital media, data, metadata etc etc	#REF!				Node		
74	01	04	05	01	01	00	00	00	Local File Path	The path to a digital media, data, metadata etc file	#REF!	ISO 7-bit char	127 bytes max		Leaf		
75	01	04	05	03	00	00	00	00	Film Locators	Location information for film	#REF!				Node		
76	01	04	05	03	01	00	00	00	Edge Code	The edge code on the film eg left frames	#REF!	ISO 7-bit char	32 chars max		Leaf		
77	01	04	05	03	02	00	00	00	Frame Code	Unique frame number for film	#REF!	ISO 7-bit char	32 chars max		Leaf		
78	01	04	05	03	03	00	00	00	Key code	Machine readable version of Frame Code	#REF!	UInt32	4 bytes		Leaf		
79	01	04	05	03	04	00	00	00	Ink number	Ink number	#REF!	ISO 7-bit char	32 chars max		Leaf		
80	01	04	05	03	05	00	00	00	EdgeCode_Start	Specifies the edge code at the beginning of the segment	#REF!	Position	6 bytes		Leaf	W25.52	
81	01	04	10	00	00	00	00	00	Proxy locators	Local archival location information for key frames, keys sounds, key text etc	#REF!				Node		

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32	01	04	10	01	00	00	00	00	00	00	Key text	Proxy Key Text	Local archival location information for key text	#REF!	ISO 7-bit char string	127 bytes max	Leaf
33	01	04	10	02	00	00	00	00	00	00	Key Frame	Proxy Key Frame	Local archival location information for key frames	#REF!	ISO 7-bit char string	127 bytes max	Leaf
34	01	04	10	03	00	00	00	00	00	00	Key Sound	Proxy Sound	Local archival location information for keys sounds	#REF!	ISO 7-bit char string	127 bytes max	Leaf
35	01	04	10	04	00	00	00	00	00	00	Key data or program	Key Data	Local archival location information for key data or program	#REF!	ISO 7-bit char string	127 bytes max	Leaf
35	01	04	11	00	00	00	00	00	00	00	Free-form, human readable locator	Human Writing	Local locator in free text form	#REF!			Node
37	01	04	11	01	00	00	00	00	00	00	TextLocator_Name	Human Writing Name	Contains a human readable Unicode text locator	#REF!	Unicode String	variable	Leaf
38	01	05	01	00	00	00	00	00	00	00	Titles	Title	Titling metadata relating to productions	#REF!			Node
39	01	05	01	01	00	00	00	00	00	00	Title kind	Title Kind	Kind of title, i.e., project, series, item, programme, working, original, item, episode, element, scene, shot etc	#REF!	ISO 7-bit char string	127 bytes max	Leaf
39	01	05	01	02	00	00	00	00	00	00	Main title	Main Title	The main title	#REF!	ISO 7-bit char string	127 bytes max	Leaf
41	01	05	01	03	00	00	00	00	00	00	Secondary title	Secondary Title	The secondary title	#REF!	ISO 7-bit char string	127 bytes max	Leaf
42	01	05	01	04	00	00	00	00	00	00	Series number	Series No	The alphanumeric series number	#REF!	ISO 7-bit char string	32 chars max	Leaf
43	01	05	01	05	00	00	00	00	00	00	Episode number	Episode No	The alphanumeric episode number	#REF!	ISO 7-bit char string	32 chars max	Leaf
44	01	05	01	06	00	00	00	00	00	00	Scene number	Scene No	The alphanumeric scene number	#REF!	ISO 7-bit char string	32 chars max	Leaf
45	01	05	01	07	00	00	00	00	00	00	Take Number	Take No	Take number of the instance of the shot	#REF!	UInt16	2 bytes	Leaf
46	01	10	00	00	00	00	00	00	00	00	Unique IPR Identifiers	Owner	Unique IDs allocated by IP Rights organisations	#REF!			Node
47	01	10	01	00	00	00	00	00	00	00	IPR (SUISA/CISAC)	Owner by CISAC	IP Identifiers allocated by CISAC	#REF!			Node
48	01	10	01	01	00	00	00	00	00	00	Natural Person / legal entity	Natural Person of Legal Entity ID	Natural person or legal entity ID in the Interested Parties system	#REF!	As per standard		Leaf
49	01	10	02	00	00	00	00	00	00	00	AGICOAMPAA	ID by AGICOA	Unique Identifiers allocated by AGICOA	#REF!			Node

Line #	SMFTE Label						Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Node/Leaf	Defining Document
101	01 10 02 01 00 00 00 00						AGICOA/MIPAA Identifier	AGICOA ID	The AGICOA ID.	#REF!	As per standard			Leaf	
102	02 00 00 00 00 00 00 00						ADMINISTRATION	Class 2 Administration	Class 2 is reserved for administrative and business related metadata	#REF!				Node	
103	02 01 00 00 00 00 00 00						Supplier	Supplier	Details of the content supplying organisation	#REF!				Node	
104	02 01 01 00 00 00 00 00						Source Organization	Supplying Organisation	The name of the content supplying organisation	#REF!	ISO 7-bit char string	127 bytes max		Leaf	
105	02 01 02 00 00 00 00 00						Supply contract number	Contract ID	The alphanumeric number for the contract for the supply of content	#REF!	ISO 7-bit char string	32 chars max		Leaf	
106	02 01 03 00 00 00 00 00						Original Producer Name	Original Content Producer	The name of the original content Producer.	#REF!	ISO 7-bit char string	127 bytes max		Leaf	
107	02 02 01 02 00 00 00 00						Product	Product	Abstract information about the media product	#REF!				Node	
108	02 02 01 02 00 00 00 00						Total number of Episodes in a Series	Total Number of Episodes	Total number of Episodes in Series	#REF!	Units	2 bytes		Leaf	
109	02 05 00 00 00 00 00 00						Rights	Rights	Rights metadata	#REF!				Node	
110	02 05 01 00 00 00 00 00						Copyright	Copyright	Copyright metadata	#REF!				Node	
111	02 05 01 01 00 00 00 00						Copyright Status	Evaluation of Copyright Status	Executive evaluation of copyright status	#REF!	ISO 7-bit char string	127 bytes max		Leaf	
112	02 05 01 02 00 00 00 00						Copyright Owner	Copyright Owner	The name of the person/organisation who owns the copyright	#REF!	ISO 7-bit char string	127 bytes max		Leaf	
113	02 05 02 00 00 00 00 00						Intellectual rights	Intellectual Property Rights	Intellectual property rights metadata other than copyright	#REF!				Node	
114	02 05 02 01 00 00 00 00						IP Type	Type of Intellectual Property Rights	A definition of what the IP is.	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
115	02 05 02 02 00 00 00 00						IP Right	Definition of Intellectual Property Rights	A definition of what use can be made of an IP	#REF!	ISO 7-bit char string	32 bytes max		Leaf	

FIG. 11

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115	02	05	02	03	00	00	00	00	00	Legal personalities	Legal Representative	A person or body in whom legal responsibility can be vested	#REF!			Node
116	02	05	02	03	01	00	00	00	00	Rights Owner	Owner	A definition of who or what entity can exercise an IP right	#REF!	ISO 7-bit char string	127 bytes max	Leaf
117	02	05	02	03	02	00	00	00	00	Rights Management Authority	Entity That Manages The Rights	Entity that manages the rights for access to the material.	#REF!	ISO 7-bit char string	127 bytes max	Leaf
118	02	05	02	03	03	00	00	00	00	Interested parties	Who or What Entity Has An Interest	A definition of who or what entity has an interest in the right being exercised	#REF!	ISO 7-bit char string	127 bytes max	Leaf
119	02	05	02	04	00	00	00	00	00	IP Right options	IP Ancillary Information	A definition of what options can be exercised within the framework of using an IP Right	#REF!			Node
120	02	05	02	04	01	00	00	00	00	Maximum Number Of Usages	Maximum Number of Usages or Repeats	Maximum number of usages or repeats	#REF!	Unicode	2 bytes	Leaf
121	02	05	02	04	02	00	00	00	00	License options	License Options	Options for prolongation or renewal of license	#REF!	ISO 7-bit char string	127 bytes max	Leaf
122	02	05	00	00	00	00	00	00	00	Financial information	Financial Information	Details of payments, costs, income money and other considerations	#REF!			Node
123	02	06	01	00	00	00	00	00	00	Currency	Currency	The currency of the transaction	#REF!			Type Node
124	02	06	01	01	00	00	00	00	00	Currency	Same as 124	The currency of the transaction	#REF!	ISO 7-bit char	4 chars max See types dictionary	Leaf
125	02	06	02	00	00	00	00	00	00	Payments and costing	Payment and Costing	Payments and costing information	#REF!			Node
126	02	06	02	01	00	00	00	00	00	Royalty Financial Information	Royalty Financial Information	Royalty payment and other information	#REF!	ISO 7-bit char string	127 bytes max	Leaf
127	02	06	03	00	00	00	00	00	00	Income	Income Information	Income information	#REF!			Node
128	02	06	03	01	00	00	00	00	00	Royalty Financial Information	Royalty Financial Information	Royalty income and other information	#REF!	ISO 7-bit char string	127 bytes max	Leaf
129	02	07	00	00	00	00	00	00	00	Permitted Access	Permitted Access	Details of permitted access to the media product	#REF!			Node
130	02	07	01	00	00	00	00	00	00	Restrictions on Use	Access Level	Identifies the type or level of restriction applied to the media product	#REF!	ISO 7-bit char string	32 bytes max	Leaf
131	02	08	00	00	00	00	00	00	00	Security	Security	Content encryption/decryption information	#REF!			Node
132	02	08	01	00	00	00	00	00	00	System Access	Degree of Technical Access	Details of permitted access to the technical system or platform	#REF!			Node

Line #	SNPT Label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Node/Leaf	Defining Document
132	02 03 01 01 00 00 00 00	Username	User Name	A username in a domain	AREFI								Type Node	
133	02 03 01 01 01 00 00 00	Username	User Name	A username in a domain	AREFI					ISO 7-bit char	16 chars max		Leaf	
134	02 03 01 02 00 00 00 00	Password	Password	An individual password for access to the system	AREFI								Type Node	
135	02 03 01 02 01 00 00 00	Password	Password	An individual password for access to the system	AREFI					ISO 7-bit char	16 chars max		Leaf	
136	02 03 05 00 00 00 00 00	Film	Movie Film	Content encryption/decryption information specifically applying to the movie industry	AREFI								Node	
138	02 03 05 01 00 00 00 00	Scrambling key kind	Scrambling Key Kind	The programme description key type	AREFI								Type Node	
139	02 03 05 01 01 00 00 00	Scrambling key kind	Scrambling Key Kind	The programme description key type	AREFI					ISO 7-bit char	4 chars max	See types dictionary	Leaf	
140	02 03 05 02 00 00 00 00	Scrambling key value	Scrambling Key Value	The programme description key value	AREFI					Unit	64 bytes max		Leaf	
141	02 10 00 00 00 00 00 00	Publication Outlet	Publication Outlet	The content publication outlet - eg Broadcast, internet etc	AREFI								Node	
142	02 10 01 00 00 00 00 00	Broadcast	Broadcast Outlet Information	Broadcast Outlet Information	AREFI								Node	
143	02 10 01 01 00 00 00 00	Broadcaster	Broadcast	The broadcasting organisation	AREFI								Node	
144	02 10 01 01 01 00 00 00	Name	Name	Name of the broadcasting organisation	AREFI					ISO 7-bit char string	32 bytes max		Leaf	
145	02 10 01 01 02 00 00 00	Channel	Channel	Broadcast channel	AREFI					ISO 7-bit char string	32 bytes max		Leaf	
146	02 10 01 01 03 00 00 00	Transmission Medium	Transmission Medium	Transmission medium (e.g., satellite, cable, terrestrial, ...)	AREFI					ISO 7-bit char string	32 bytes max		Leaf	
147	02 10 01 01 04 00 00 00	Broadcast Region	Broadcast Region	Target region of broadcast	AREFI					ISO 7-bit char string	32 bytes max		Leaf	

FIG.12

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148	02	20	00	00	00	00	00	00	00	Broadcast and Repeat Statistics	Broadcast and Repeat Statistics	Business statistics concerning the production	#REF!			Node
149	02	20	01	00	00	00	00	00	00	First Broadcast Flag	First Use	First broadcast of the product	#REF! Boolean	1 byte	00h (FALSE) or FFh (TRUE)	Leaf
150	02	20	02	00	00	00	00	00	00	Repeat number	Repeat Number	Information about the repeat status when not a first broadcast	#REF!			Node
151	02	20	02	01	00	00	00	00	00	Current repeat number	Number of The Current Repeat	The number of the current repeat	#REF! UInt16	2 bytes		Leaf
152	02	20	02	02	00	00	00	00	00	Previous repeat number	Number of The Previous Repeat	The number of the previous repeat	#REF! UInt16	2 bytes		Leaf
153	02	20	03	00	00	00	00	00	00	Ratings	Ratings	Information about audience ratings and indices	#REF!			Node
154	02	20	03	01	00	00	00	00	00	Audience rating	Audience Rating	Audience rating as number of views	#REF! UInt32	4 bytes		Leaf
155	02	20	03	02	00	00	00	00	00	Audience reach	Audience Reach	The audience reach of the production	#REF! UInt32	4 bytes		Leaf
156	02	20	03	03	00	00	00	00	00	Other ratings	Other Ratings	Other ratings	#REF! UInt32	4 bytes		Leaf
157	02	30	00	00	00	00	00	00	00	Participating parties	Participating Parties	Details of all parties, contributing to or taking part in the production - staff, contributors, and including those receiving Credits etc	#REF!			Node
158	02	30	01	00	00	00	00	00	00	Persons (Groups and Individuals)	Representative	Details of persons contributing to or taking part in the production	#REF!			Node
159	02	30	01	01	00	00	00	00	00	Nature of Person (Group or individual)	Nature of Person (Group or Individuals)	Group, individual etc	#REF!			Node
160	02	30	01	02	00	00	00	00	00	Production	Talent, Staff, etc	Details of Performing talent, Non performing talent, Production Staff, Technical staff, Specialist etc	#REF!			Node
161	02	30	01	02	01	00	00	00	00	Contribution Status	Talent, Staff, etc	Performing talent, Non performing talent, Production Staff, Technical staff, Specialist etc	#REF! ISO 7-bit char string	32 bytes max		Leaf
162	02	30	01	03	00	00	00	00	00	Support and Administration	Support and Administration	Details of support and administrative staff or contributors - business management, resource planning, archiving etc	#REF!			Node
163	02	30	01	03	01	00	00	00	00	Support/Administration Status	Support/Administration Staff	Cataloguing staff, finance staff etc	#REF! ISO 7-bit char string	32 bytes max		Leaf
164	02	30	02	00	00	00	00	00	00	Organisations and Public Bodies	Organisation and Public Bodies	Details of Organisations and Public Bodies contributing to or taking part in the production	#REF!			Node
165	02	30	02	01	00	00	00	00	00	Kind of Organisation or Public Body	Kind of Organisation or Public Body	Limited company, government department etc.	#REF! ISO 7-bit char string	32 bytes max		Leaf

Line #	Label	Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
165	02 30 02 02 00 00 00 00	Production	Production	Details of Performing contribution, Non performing contribution, Production contribution, Technical contribution, Specialism etc	165	ISO 7-bit char string	32 bytes max		Node	
167	02 30 02 02 01 00 00 00	Contribution Status	Film Library	eg. Film Library	167	ISO 7-bit char string	32 bytes max		Leaf	
168	02 30 02 03 00 00 00 00	Support and Administration	Support and Administration	Details of support and administrative contribution - business management, resource planning, archiving etc	168	ISO 7-bit char string	32 bytes max		Node	
169	02 30 02 00 01 00 00 00	Support/Administration Status	Support/Administration Staff	eg. Backer	169	ISO 7-bit char string	32 bytes max		Leaf	
170	02 30 05 00 00 00 00 00	Job Function Information	Job Function Information	Information about the job function or role of participating parties	170	ISO 7-bit char string	32 bytes max		Node	
171	02 30 05 01 00 00 00 00	Job Function	Job Function	The function of the person(s), organisation or public body eg. Editor, Actor	171	ISO 7-bit char string	32 bytes max		Leaf	
172	02 30 05 02 00 00 00 00	Role/Identity	Role	eg. Name of character played	172	ISO 7-bit char string	32 bytes max		Leaf	
173	02 30 06 00 00 00 00 00	Contact Information	Contact Information	Contact information for the participating party	173	ISO 7-bit char string	32 bytes max		Node	
174	02 30 06 01 00 00 00 00	Contact Kind	Contact Kind	Client, supplier, useful etc	174	ISO 7-bit char string	32 bytes max		Leaf	
175	02 30 06 02 00 00 00 00	Contact Department	Contact Department	Name information for a department within an organisation where contact can be made	175	ISO 7-bit char string	32 bytes max		Leaf	
176	02 30 06 03 00 00 00 00	Person or Organisation Details	Representative	The name of person(s), organisation or public body	176	ISO 7-bit char string	32 bytes max		Node	
177	02 30 06 03 01 00 00 00	Person name	Person Name	Name information for persons	177	ISO 7-bit char string	32 bytes max		Node	
178	02 30 06 03 01 01 00 00	Family name	Family Name	The family name of an individual	178	ISO 7-bit char string	32 bytes max		Leaf	
179	02 30 06 03 01 02 00 00	First Given name	First Given Name	The first given name for an individual	179	ISO 7-bit char string	32 bytes max		Leaf	
180	02 30 06 03 01 03 00 00	Second Given name	Second Given Name	The second given name for an individual	180	ISO 7-bit char string	32 bytes max		Leaf	

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131	02	30	05	03	01	04	00	00	00	00	Third Given name	Third Given Name	The third given name for an individual	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
132	02	30	06	03	02	00	00	00	00	00	Group name	Group Name	Name information for groups	#REF!			Node	
133	02	30	06	03	02	01	00	00	00	00	Main name	Main Name	The main name by which the group is known	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
134	02	30	05	03	02	02	00	00	00	00	Supplementary name	Supplementary Name	Supplementary naming information for a group	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
135	02	30	05	03	03	00	00	00	00	00	Organisation name	Organisation Name	Name information for organisations	#REF!			Node	
136	02	30	06	03	03	01	00	00	00	00	Main name	Main Name	The main name by which an organisation is known	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
137	02	30	06	03	03	02	00	00	00	00	Supplementary organisational name	Supplementary Organisational Name	Supplementary naming information for an organisation	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
138	03	00	00	00	00	00	00	00	00	00	INTERPRETIVE	Class 3 Interpretive	Class 3 is reserved for information on interpreting the data	#REF!			Node	
139	03	01	00	00	00	00	00	00	00	00	Fundamental	Fundamental Information	Fundamental defining information	#REF!			Node	
140	03	01	01	00	00	00	00	00	00	00	Countries	Countries	Defining information about Countries	#REF!			Node	
141	03	01	01	01	00	00	00	00	00	00	ISO 3166 Country Code System	ISO 3166 Country Code	ISO country codes	#REF!			Type Node	
142	03	01	01	01	01	00	00	00	00	00	ISO 3166 Country Code System	ISO 3166 Country Code	ISO country codes	#REF!	ISO 7-bit char	4 chars max See types dictionary	Leaf	
143	03	01	01	02	00	00	00	00	00	00	ISO Language Code	ISO 3166 Language Code	The code that represents a language. Defence Language Institute is an authority on domain values.	#REF!			Type Node	
144	03	01	01	02	01	00	00	00	00	00	ISO Language Code	ISO 3166 Language Code	The code that represents a language. Defence Language Institute is an authority on domain values.	#REF!	ISO 7-bit char	4 chars max See types dictionary	Leaf	
145	03	01	02	00	00	00	00	00	00	00	Data Interpretations	Interpretation Parameter	Defining information about data interpretation	#REF!			Node	
146	03	01	02	03	00	00	00	00	00	00	Operating system interpretations	OS Properties	1-byte code for distinction of common operating systems	#REF!	Unsigned byte	1 byte	Leaf	
147	03	01	03	00	00	00	00	00	00	00	Fundamental Dimensions	Fundamental 4 Definition ?	Information about the four basic definitions of natural philosophy	#REF!			Node	
148	03	01	03	01	00	00	00	00	00	00	Length	Length	Descriptive information about length	#REF!			Node	

Line #	SNMITE Label						Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Node/Leaf	Defining Document
199	03 01 03 01 01 00 00						Length System	Length System	Metric, Imperial etc	#REF!				Type Node	
200	03 01 03 01 01 00 00						Length System	Length System	Metric, Imperial etc	#REF!	ISO 7-bit char	4 chars max	See Types dictionary	Leaf	
201	03 01 03 01 02 00 00						Length Units	Length Units	Units of measurements of length and distance (feet, metres etc)	#REF!				Type Node	
202	03 01 03 01 02 01 00						Length Units	Length Units	Units of measurements of length and distance (feet, metres etc)	#REF!	ISO 7-bit char	4 chars max	See Types dictionary	Leaf	
203	03 01 03 02 00 00 00						Time	Time	Descriptive information about Time	#REF!				Node	
204	03 01 03 02 01 00 00						Time system	Time System	eg. GMT, UPT	#REF!				Type Node	
205	03 01 03 02 01 01 00						Time system	Time System	eg. GMT, UPT	#REF!	ISO 7-bit char	8 chars max	UTC+XXYY (UTC + offset including 1/2 hour)	Leaf	
206	03 01 03 02 02 00 00						Time Units	Time Units	Frames, seconds, minutes etc	#REF!				Type Node	
207	03 01 03 02 02 01 00						Time Units	Time Units	Frames, seconds, minutes etc	#REF!	ISO 7-bit char	4 chars max	See Types dictionary	Leaf	
208	03 01 03 03 02 00 00						Mass	Mass	Descriptive information about Mass	#REF!				Node	
209	03 01 03 04 02 00 00						Energy	Energy	Descriptive information about Energy	#REF!				Node	
210	03 02 00 00 00 00 00						Descriptive - Human Assigned	Human Assigned ?	Descriptors (Human Assigned) relating to analysis of the content	#REF!				Node	
211	03 02 01 00 00 00 00						Categorisation	Categorisation	Analytical categorisation of the content	#REF!				Node	
212	03 02 01 02 00 00 00						Content Classification	Content Classification	Content classification	#REF!				Node	
213	03 02 01 02 01 00 00						Type	Type	Type of programme (e.g., cartoon, film, ...) (Coded as Escort 2.4)	#REF!	ISO 7-bit char string	32 bytes max		Type Node	

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214	03	02	02	01	02	00	00	00	Genre	Genre	Programme genre (e.g., entertainment, current affairs magazine, (also Western, ...)) (Coded as Escot 2.4)	#REF!	ISO 7-bit char string	32 bytes max	Type Node
215	03	02	02	01	02	00	00	00	Target Audience	Target Audience	Target audience (e.g., children, 17 to 32, elderly, ...)	#REF!	ISO 7-bit char string	32 bytes max	Type Node
216	03	02	02	01	03	00	00	00	Cataloguing and Indexing	Cataloguing	Archival analysis of the essence metadata	#REF!			Node
217	03	02	02	01	03	01	00	00	Catalogue History	Archival Catalogue	Audio metadata concerning the archival analysis metadata	#REF!			Node
218	03	02	02	01	03	01	01	00	Status of Data Set	Status of The Metadata Set	The current status of the metadata set	#REF!			Type Node
219	03	02	02	01	03	01	01	00	Status of Data Set	Status of The Metadata Set	The current status of the metadata set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
220	03	02	02	01	03	02	00	00	Cataloguing, Indexing or Thesaurus system used	ID In Use ?	The particular Cataloguing, Indexing or Thesaurus system used	#REF!	ISO 7-bit char string	32 bytes max	Type Node
221	03	02	02	01	03	03	00	00	Theme	Theme	The category of the Theme of the content	#REF!	ISO 7-bit char string	32 bytes max	Type Node
222	03	02	02	01	03	04	00	00	Genre	Genre	The category of the Genre of the content	#REF!	ISO 7-bit char string	32 bytes max	Type Node
223	03	02	02	01	03	05	00	00	Subject Code	Sub-Code	Subject Code	#REF!	ISO 7-bit char string	32 bytes max	Type Node
224	03	02	02	01	03	06	00	00	Keywords	Keyword	Words or phrases summarizing an aspect of the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
225	03	02	02	01	03	07	00	00	Key Frames	Key Frames	Reference to a key frame of video in the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
226	03	02	02	01	03	08	00	00	Key Sounds	Key Sounds	Reference to a key sound in the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
227	03	02	02	01	03	09	00	00	Key data	Key Data	Reference to a key piece of data or program in the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
228	03	02	02	01	06	00	00	00	Textual Description	Textual Description	A textual characterization of the data set	#REF!			Node
229	03	02	02	01	06	01	00	00	Abstract	Abstract	A brief narrative summary of the data set	#REF!	ISO 7-bit char string	1024 bytes max	Leaf
230	03	02	02	01	06	02	00	00	Purpose	Purpose	A summary of the intentions with which the data set was developed	#REF!	ISO 7-bit char string	127 bytes max	Leaf
231	03	02	02	01	06	03	00	00	Description	Description	A textual description	#REF!	ISO 7-bit char string	127 bytes max	Leaf

Line #	SNITE label						Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
232	03	02	01	06	04	00	00	Colour descriptor	Color Information	eg. Black and white, tinted etc	#REF!	ISO 7-bit char string	32 bytes max	Type Node	
233	03	02	01	06	05	00	00	Formal descriptor	Format Information	eg. Letterbox, Pillarbox etc	#REF!	ISO 7-bit char string	32 bytes max	Type Node	
234	03	02	01	07	00	00	00	Stratum	Stratum	The descriptive stratum of the archival content analysis of the content	#REF!			Node	
235	03	02	01	07	01	00	00	Stratum kind	Stratum Kind	eg. Background, action, sound features etc	#REF!	ISO 7-bit char string	32 bytes max	Type Node	
236	03	02	01	09	00	00	00	Supplemental Information	Supplemental Information	Other descriptive information about the data set	#REF!			Node	
237	03	02	02	00	00	00	00	Assessments	Assessments	Assessments of editorial, technical etc aspects of the content and contributors to it	#REF!			Node	
238	03	02	02	01	00	00	00	Awards	Awards	Awards relating to editorial, technical etc aspects of the content and contributors to it	#REF!			Node	
239	03	02	02	01	01	00	00	Individual	Individual	Awards granted to individuals	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
240	03	02	02	01	02	00	00	Programme	Programme	Awards granted to programme	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
241	03	02	02	00	00	00	00	Qualitative Values	Qualitative Values	Assessed values relating to editorial, technical etc aspects of the content and contributors to it	#REF!			Node	
242	03	02	02	01	00	00	00	Asset Values	Asset Values	Assessment of the programme quality	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
243	03	02	02	02	00	00	00	Content Value	Content Value	Assessment of the content value	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
244	03	02	02	03	00	00	00	Cultural Quality	Cultural Quality	Assessment of the cultural quality	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
245	03	02	02	04	01	00	00	Aesthetic Value	Aesthetic Value	Assessment of the aesthetic quality	#REF!	ISO 7-bit char string	32 bytes max	Leaf	
246	03	02	02	05	00	00	00	Historic Value	Historic Value	Assessment of the historic value	#REF!	ISO 7-bit char string	32 bytes max	Leaf	

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247	03	02	02	02	02	00	00	00	00	Technical Value	Technical Value	Assessment of the technical value	ISO 7-bit char string	32 bytes max	Leaf
248	03	02	02	02	07	00	00	00	00	Other Values	Other Values	Assessment of other relevant qualities	ISO 7-bit char string	32 bytes max	Leaf
249	03	03	00	00	00	00	00	00	00	Descriptors (Machine Assigned or Computed)	Descriptors	Descriptors (Machine Assigned or Computed) relating to analysis of the content	REF		Node
250	03	03	01	00	00	00	00	00	00	Categorisation	Categorisation	Analytical categorisation of the content	REF		Node
251	03	03	01	01	00	00	00	00	00	Content Classification	Content Classification	Content classification	REF		Node
252	03	03	01	02	00	00	00	00	00	Cataloguing and Indexing	Same as 217	Archival analysis of the essence metadata	REF		Node
253	03	03	01	02	01	00	00	00	00	Catalogue History	Same as 218	Audio metadata concerning the archival analysis metadata	REF		Node
254	03	03	01	02	01	01	00	00	00	Status of Data Set	Same as 219	The current status of the metadata set	ISO 7-bit char string	32 bytes max	Leaf
255	03	03	01	02	02	00	00	00	00	Cataloguing, Indexing or Thesaurus system used	Same as 221	The particular Cataloguing, Indexing or Thesaurus system used	ISO 7-bit char string	32 bytes max	Leaf
256	03	03	01	02	06	00	00	00	00	Keywords	Same as 225	Words or phrases summarizing an aspect of the data set	ISO 7-bit char string	32 bytes max	Leaf
257	03	03	01	02	07	00	00	00	00	Key Frames	Same as 226	Reference to a key frame of video in the data set	ISO 7-bit char string	32 bytes max	Leaf
258	03	03	01	02	08	00	00	00	00	Key Sounds	Same as 227	Reference to a key sound in the data set	ISO 7-bit char string	32 bytes max	Leaf
259	03	03	01	02	09	00	00	00	00	Key data	Same as 228	Reference to a key piece of data or program in the data set	ISO 7-bit char string	32 bytes max	Leaf
260	03	03	01	06	00	00	00	00	00	Textual Description	Same as 229	A textual characterization of the data set	REF		Node
261	03	03	01	07	00	00	00	00	00	Stratum	Same as 235	The descriptive stratum of the archival content analysis of the content	REF		Node
262	03	03	01	07	01	00	00	00	00	Stratum kind	Same as 236	eg. Background, action, sound, nature etc	ISO 7-bit char string	32 bytes max	Leaf
263	04	00	00	00	00	00	00	00	00	PARAMETRIC	Class 4 Parameters	Class 4 is reserved for parametric and configuration metadata	REF		Node
264	04	01	00	00	00	00	00	00	00	Video Essence Encoding Characteristics	Video Encoding Parameters	Operating characteristics of the device creating the essence	REF		Node

Line #	ISMPTE label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Node/Leaf	Defining Document
255	04 01 01 00 00 00 00 00	Video Fundamental Characteristics	Video Fundamental Characteristics	Fundamental video characteristics	#REF!		Node							
256	04 01 01 01 00 00 00 00	Video Source Device	Video Source Device	Indicates the type of the video source.	#REF!	ISO 7-bit char string	Leaf				32 bytes max			
257	04 01 01 02 00 00 00 00	Fundamental opto-electronic formulation	OE Transfer etc Characteristics	Fundamental opto-electronic transfer etc characteristics	#REF!		Node							
258	04 01 01 02 01 00 00 00	Gamma Information	Gamma Characteristics	Specifies the non-linear relationship between linear scene light levels and amplitude-compressed video signal levels.	#REF!		Type Node							
259	04 01 01 02 01 01 00 00	Gamma Equation	Gamma Equation	Specifies the non-linear relationship between linear scene light levels and amplitude-compressed video signal levels.	#REF!	ISO 7-bit char	Leaf				4 chars max	See types dictionary		W25.52
270	04 01 01 02 01 02 00 00	Gamma	Gamma	Specifies expected gamma output settings on video display	#REF!	Rational	Leaf				8 bytes			
271	04 01 01 02 02 00 00 00	Luma Equation	Luma Equation	Specifies the equation used to derive luma and chroma from gamma-corrected RGB signals	#REF!	ISO 7-bit char	Leaf				4 chars max	See types dictionary		
272	04 01 01 02 03 00 00 00	Colorimetry Code	Colorimetry Code	The fundamental color coding that relates the source CIE tristimulus values (X, Y, Z) to the linear video levels (R, G, B).	#REF!	ISO 7-bit char	Leaf				4 chars max	See types dictionary		
273	04 01 01 03 00 00 00 00	Fundamental sequencing and scanning	Scanning information	Fundamental scanning and sequencing information	#REF!		Node							
274	04 01 01 03 01 00 00 00	Signal Form Code	Component Sequence	Code specifies the component sequence for the video pixel matrix	#REF!	ISO 7-bit char	Leaf				4 chars max	See types dictionary		
275	04 01 01 03 02 00 00 00	Color Field Code	Color Frame Index	Identifies the color field of the source video field for video derived from composite sources.	#REF!	UNi8	Leaf				1 byte	00h = default, 01h ~ 07h = field number		
276	04 01 01 03 03 00 00 00	Vertical Rate	Vertical Rate	Specifies the vertical rate of the video scanning system.	#REF!	UNi8	Leaf				1 byte	See types dictionary		
277	04 01 01 03 04 00 00 00	Frame Rate	Frame Rate	The rate that video images are captured, expressed in frames per second.	#REF!	UNi8	Leaf				1 byte	See types dictionary		
278	04 01 01 04 00 00 00 00	Image dimensions	Image Dimensions	Specifies information about the horizontal and vertical dimensions of an image.	#REF!	UNi8	Node				1 byte	See types dictionary		
279	04 01 01 04 01 00 00 00	Image lines	Image Lines	Specifies information about the number of vertical scan lines	#REF!		Node							

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230	04	01	01	04	01	01	00	00	Total Lines per Frame	Specifies the number of lines in a total frame in the video scanning system.	#REF!	Unit16	2 bytes	Leaf
231	04	01	01	04	01	02	00	00	Active Lines per Frame	Specifies the total number of lines (rows) in the active portion of a frame in the video pixel matrix.	#REF!	Unit16	2 bytes	Leaf
232	04	01	01	04	01	03	00	00	Leading Lines	Specifies number of blank lines before image	#REF!	Unit2	4 bytes	Leaf
233	04	01	01	04	01	04	00	00	Trailing Lines	Specifies number of blank lines after image	#REF!	Unit2	4 bytes	Leaf
234	04	01	01	04	02	00	00	00	Horizontal and Vertical dimensions	Specifies information about the horizontal and vertical dimensions of an image.	#REF!			Node
235	04	01	01	04	02	01	01	00	Display Aspect Ratio	Specifies the horizontal to vertical aspect ratio of the image as it is to be displayed.	#REF!			Type Node
236	04	01	01	04	02	01	01	01	Image Aspect Ratio	Specifies the image aspect ratio	#REF!	Unsigned Char	1 byte	Leaf
237	04	01	01	04	02	01	01	02	Image Aspect Ratio	Specifies the image aspect ratio	#REF!	Rational	8 bytes	Leaf
238	04	01	01	04	02	01	02	00	Capture aspect ratio	Specifies the horizontal to vertical aspect ratio of the image captured at the sensor.	#REF!	Unsigned Char	1 byte	Leaf
239	04	01	01	04	02	02	00	00	Stored Height	Specifies height of stored image	#REF!	Unit2	4 bytes	Leaf
240	04	01	01	04	02	03	00	00	Stored Width	Specifies width of stored image	#REF!	Unit2	4 bytes	Leaf
241	04	01	01	04	02	04	00	00	Sampled Height	Specifies height of sampled image	#REF!	Unit2	4 bytes	Leaf
242	04	01	01	04	02	05	00	00	Sampled Width	Specifies width of sampled image	#REF!	Unit2	4 bytes	Leaf
243	04	01	01	04	02	06	00	00	Sampled X Offset	Specifies X offset of sampled image	#REF!	Unit2	4 bytes	Leaf
244	04	01	01	04	02	07	00	00	Sampled Y Offset	Specifies Y offset of sampled image	#REF!	Unit2	4 bytes	Leaf
245	04	01	01	04	02	08	00	00	Display Height	Specifies height of displayed image	#REF!	Unit2	4 bytes	Leaf
246	04	01	01	04	02	09	00	00	Display Width	Specifies width of displayed image	#REF!	Unit2	4 bytes	Leaf
247	04	01	01	04	02	0A	00	00	Display X Offset	Specifies X offset of displayed image	#REF!	Unit2	4 bytes	Leaf

Line #	SMPT Label	Data Element Name	Japanese Names	Data Element Definition	Unit	Type	Value Length	Value Range	Node/Leaf	Defining Document
298	04 01 01 04 02 00 00	Display Y Offset	Display Y Offset	Specifies Y offset of displayed image	#REF!	Unit32	4 bytes		Leaf	W25.52
299	04 01 01 05 00 00 00	Video Coding Characteristics	Video Original Signal Characteristics	Information about the original analogue coding of the essence	#REF!				Node	
300	04 01 01 05 01 00 00	Analogue Video System	Analogue Video Characteristics	PAL, NTSC etc	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
301	04 01 01 05 03 00 00	Luminance Sample rate	Luminance Sample Rate	The luminance sample rate	#REF!	Unit8	1 byte	See types dictionary	Leaf	
302	04 01 01 05 04 00 00	Active Samples per Line	Active Samples Per Line	Total number of samples (columns) in the active portion of a line in the video pixel matrix	#REF!	UNS8F	2 bytes		Leaf	
303	04 01 01 05 05 00 00	Total Samples per Line	Total Samples Per Line	Specifies the number of samples in a total line in the video pixel matrix	#REF!	UNS8F	2 bytes		Leaf	
304	04 01 01 05 06 00 00	Bits Per Pixel	Bits Per Pixel	The maximum number of significant bits for the value in each band of each pixel without compression	#REF!	Unsigned Char	1 byte		Leaf	
305	04 01 01 05 07 00 00	Sampling Information	Sampling Information	Description of the component sampling	#REF!				Node	
306	04 01 01 05 07 01 00	Sampling Hierarchy Code	Sampling Hierarchy Code	A code that specifies the component sampling hierarchy for the video pixel matrix	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
307	04 01 01 05 07 02 00	Horizontal Subsampling	Horizontal Subsampling	Specifies ratio of luminance subsampling to chrominance subsampling in horizontal direction	#REF!	Unit32	4 bytes		Leaf	W25.52
308	04 01 01 05 07 03 00	Color Siting	Color Siting ?	Specifies how to compile subsampled chrominance values	#REF!	ColorSitingType	2 bytes		Leaf	W25.52
309	04 01 01 05 08 00 00	Rounding Method Code	Rounding Method Code	Specifies the rounding method that has been applied to the digital samples of the video signal	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
310	04 01 01 05 09 00 00	Filtering Code	Filtering Code	Specifies the spectral filtering that has been applied to the digital samples of the video signal	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
311	04 01 01 05 10 00 00	Sampling Structure	Sampling Structure	Description of the sampling structure of the video scanning system, such as Progressive and single frame	#REF!				Node	
312	04 01 01 05 10 01 00	Sampling Structure Code	Sampling Structure Code	A code that specifies the analogue or digital sampling structure for the video scanning system. Eg Progressive	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf	

FIG.17

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313	04	01	01	05	10	02	00	00	00	Frame Layout	Specifies frame layout (interlaced, single frame, full frame, etc.)	#REF!	Layout type	2 bytes		Leaf	W25.52
314	04	01	01	05	04	00	00	00	00	Video Line Map	Specifies relation between scanned lines and stored fields	#REF!	Array of int32	8 bytes		Leaf	W25.52
315	04	01	01	05	05	00	00	00	00	Alpha Transparency	Specifies whether 0 or the maximum value is transparent	#REF!	int32	4 bytes		Leaf	W25.52
316	04	01	01	05	0C	00	00	00	00	Component Width	Specifies component width in bits	#REF!	int32	4 bytes		Leaf	W25.52
317	04	01	01	05	0D	00	00	00	00	Black Reference Level	Specifies digital luminance associated with black	#REF!	Unit32	4 bytes		Leaf	W25.52
318	04	01	01	05	0E	00	00	00	00	White Reference Level	Specifies digital luminance associated with white	#REF!	Unit32	4 bytes		Leaf	W25.52
319	04	01	01	05	0F	00	00	00	00	Color Range	Specifies range of allowable chrominance values	#REF!	Unit32	4 bytes		Leaf	W25.52
320	04	01	01	05	11	00	00	00	00	Order of Color Components	Specifies order of components	#REF!	RGBALayout			Leaf	W25.52
321	04	01	01	05	12	00	00	00	00	Color Palette	Specifies palette containing colors	#REF!	Data Value	variable		Leaf	W25.52
322	04	01	01	05	13	00	00	00	00	Palette Layout ?	Specifies layout of components in palette	#REF!	RGBALayout			Leaf	W25.52
323	04	01	01	05	14	00	00	00	00	Number of Same Data In Horizontal Direction of Original Signal	Specifies if the data has the same number of rows in strip throughout	#REF!	Boolean	1 byte		Leaf	W25.52
324	04	01	01	05	15	00	00	00	00	Number of Stored Contiguous Bytes	Specifies if the data is stored in contiguous bytes	#REF!	Boolean	1 byte		Leaf	W25.52
325	04	01	01	05	16	00	00	00	00	JPEG TableID	Specifies JPEG table used to compress video	#REF!	JPEGTableIDType			Leaf	W25.52
326	04	01	01	05	17	00	00	00	00	TIFFDescriptor_Summary	Contains the TIFF format summary data	#REF!	Data Value	variable		Leaf	W25.52
327	04	01	01	05	18	00	00	00	00	MPEG Coding Characteristics	Information about MPEG video coding	#REF!					
328	04	01	01	05	18	02	00	00	00	MPEG-2 Coding Characteristics	Information about MPEG video coding	#REF!					
329	04	01	01	05	18	02	01	00	00	Field Frame Type Code	Identifies the field or frame type of the source video image for video derived from compressed sources. Eg. I, B or P	#REF!	ISO 7Mchar	1 char	I, B or P		
330	04	01	02	00	00	00	00	00	00	Film parameters	Information about Film	#REF!				Node	

Line #	SMPT Label									Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
331	04	01	02	01	00	00	00	00	00	Film to Video parameters	Film Video Parameters	Information about transferring Film to Video	#REF!				Node	
332	04	01	02	01	00	00	00	00	00	Field Dominance	Field Dominance ?	Field one dominant (True)	#REF!	Boolean	1 byte	00h (FALSE) or FFh (TRUE)	Leaf	
333	04	01	02	01	00	00	00	00	00	Frame phase sequence	Frame Phase Sequence	eg. A frame, B frame, C frame	#REF!	Unsigned Char	1 byte	Modulo 'h' count to 255 max	Leaf	
334	04	01	02	02	00	00	00	00	00	Film Pulldown characteristics	Film Pulldown Characteristics	Film transfer pulldown characteristics	#REF!			Node		
335	04	01	02	02	00	00	00	00	00	Pulldown sequence	Pulldown Sequence	eg. 3.2, 1:1	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf	
336	04	01	02	02	00	00	00	00	00	Pulldown phase	Pulldown Phase	Redundant field in a 3:2 pulldown sequence	#REF!	Boolean	1 byte	00h (FALSE) or FFh (TRUE)	Leaf	
337	04	01	02	02	00	00	00	00	00	PulldownKind	Pulldown Kind	Specifies kind of pulldown	#REF!	PulldownKindType	2 bytes		Leaf	W25.52
338	04	01	02	02	00	00	00	00	00	PulldownDirection	Pulldown Direction	Specifies direction of pulldown	#REF!	PulldownDirectionType	2 bytes		Leaf	W25.52
339	04	01	02	02	00	00	00	00	00	PhaseFrame	Pulldown Phase	Specifies pulldown phase	#REF!	PhaseFrameType	2 bytes		Leaf	W25.52
340	04	01	02	03	00	00	00	00	00	Film Frame Rates	Film Frame Rates	Frame per second film frame rate	#REF!			Node		
341	04	01	02	03	00	00	00	00	00	Capture Film Frame rate	24.00 fps	eg 24.00 fps	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf	
342	04	01	02	03	00	00	00	00	00	Transfer Film Frame rate	23.976 fps	eg 23.976 fps	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf	
343	04	01	02	03	00	00	00	00	00	FilmDescriptor_FrameRate	Specifies Frame rate	Specifies frame rate	#REF!	Unit32	4 bytes		Leaf	W25.52
344	04	01	02	04	00	00	00	00	00	Film characteristics	Film Characteristics	Frame per second film frame rate	#REF!			Node		
345	04	01	02	04	00	00	00	00	00	Film capture aperture	Film Aperture Characteristics	eg super 16, academy	#REF!	ISO 7-bit char string	32 bytes max		Leaf	

FIG. 18

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346	04	01	02	04	00	00	00	00	00	Film Colour Process	The film colouring process used. Eg. Pathe Colour, Hand Colouring, Bertrou Keller Dorian	ISO 7-bit char string	32 bytes max	Leaf	
347	04	01	02	04	03	00	00	00	00	Edge Code Format	Specifies the edge code format	EdgeType	2 bytes	Leaf	
348	04	01	02	04	04	00	00	00	00	Header Text	Specifies the header text on the film	DataValue	Variable	Leaf	W25.52
349	04	01	03	00	00	00	00	00	00	Video and Film Test Parameters	Test information from the original recording			Node	
350	04	01	03	01	00	00	00	00	00	Video Test Parameters	Video information from the original recording			Node	
351	04	01	03	01	01	00	00	00	00	Test Parameter	eg. Starting Bit Error Rate, Maximum BER Tolerance Level, Sharpness Quality Benchmark, Spatial Based Quality Parameter, Spatial Quality Information, Temporal Quality Information, Matrix Based Quality Parameter	ISO 7-bit char string	32 bytes max	Leaf	
352	04	01	03	01	02	00	00	00	00	Test Result (Real)	The result from the specified test	Floating Point	4 bytes	Leaf	
353	04	01	03	01	03	00	00	00	00	Test Result (Integer)	The result from the specified test	UInt32	4 bytes	Leaf	
354	04	01	03	02	00	00	00	00	00	Film Test Parameters	Film test information from the original recording			Node	
355	04	01	03	02	01	00	00	00	00	Test Parameter	eg. Film frequency response, Tachistoscope Gamma Correction, Macrom Color Checker, Tachistoscope Gray Scale Monitor, Lab Aim Density, Lab Aim Density Red/Green/Blue, Lab Aim Density Density/Color/Blue Density	ISO 7-bit char string	32 bytes max	Leaf	
356	04	01	03	02	02	00	00	00	00	Test Result (Real)	The result from the specified test	Floating Point	4 bytes	Leaf	
357	04	01	03	02	03	00	00	00	00	Test Result (Integer)	The result from the specified test	SIMSBF	4 bytes	Leaf	
358	04	01	04	00	00	00	00	00	00	Video Digital Storage Alignment				Node	
359	04	01	04	01	00	00	00	00	00	Buffer Size When Storing Frames	Specifies buffer size alignment when storing frames	UInt32	4 bytes	Leaf	W25.52
360	04	01	04	02	00	00	00	00	00	Bytes of Fill Before Start of Field	Specifies bytes of fill before start of field	UInt32	4 bytes	Leaf	W25.52
361	04	01	04	03	00	00	00	00	00	Bytes of Fill After End of Field	Specifies bytes of fill after end of field	UInt32	4 bytes	Leaf	W25.52
362	04	01	04	04	00	00	00	00	00	Padding Bits	Specifies the number of bits to pad each pixel	UInt6	2 bytes	Leaf	W25.52
363	04	02	00	00	00	00	00	00	00	Audio Essence Encoding Characteristics	Operating characteristics of the device creating the essence.			Node	

Line #	Label									Data Element Name	Japanese Names	Data Element Definition	Unit	Type	Value Length	Value Range	Node/Leaf	Defining Document
363	04 02 01 00 00 00 00	00	00	00	00	00	00	00	00	Audio Fundamental Characteristics	Audio Fundamental Characteristics	Fundamental audio characteristics	#REF!	#REF!			Node	
365	04 02 01 01 00 00 00	00	00	00	00	00	00	00	00	Audio Source Device	Audio Source Device	Indicates the type of the audio source.	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
366	04 02 01 02 00 00 00	00	00	00	00	00	00	00	00	Fundamental audio formulation	Fundamental Audio Control	number of recording channels used, analogue or digital recording device, analogue or digital mixing console	#REF!	#REF!			Node	
367	04 02 01 02 01 00 00	00	00	00	00	00	00	00	00	Electro-spatial formulation	Audio Channel Division	Mono, Dual mono, Stereo A+B, Stereo M+S, Dolby surround, MPEG 8CH/5C etc	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf	
368	04 02 01 02 02 00 00	00	00	00	00	00	00	00	00	Filtering applied	Audio Filtering Characteristics	eg. Academy, flat etc	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
369	04 02 01 02 03 00 00	00	00	00	00	00	00	00	00	Audio reference level	Audio Reference Level	Number of Dm for 0VU	#REF!	Unsigned Char	1 byte		Leaf	
370	04 02 01 02 04 00 00	00	00	00	00	00	00	00	00	Number of audio channels in mix	Number of Audio Channels in Mix	The number of audio channels in the mix	#REF!	#REF!			Node	
371	04 02 01 02 04 01 00	00	00	00	00	00	00	00	00	Mono channels	Number of Mono Channels	The number of mono channels in the mix	#REF!	Unsigned Char	1 byte	1 to 255	Leaf	
372	04 02 01 02 04 02 00	00	00	00	00	00	00	00	00	Stereo channels	Number of Stereo Channels	The number of stereo channels in the mix	#REF!	Unsigned Char	1 byte	1 to 255	Leaf	
373	04 02 01 02 04 03 00	00	00	00	00	00	00	00	00	Physical Track Number	Track Number	Identifies the physical track associated with the slot	#REF!	Unsigned Char	4 bytes		Leaf	W25.52
374	04 02 01 03 00 00 00	00	00	00	00	00	00	00	00	Film sound source	Audio From Film	Indicates the film sound source	#REF!	#REF!			Node	
375	04 02 01 03 01 00 00	00	00	00	00	00	00	00	00	Optical track	Optical Recording	The kind of optical track from which the sound was recovered	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
376	04 02 01 03 02 00 00	00	00	00	00	00	00	00	00	Magnetic track	Magnetic Recording	The kind of magnetic track from which the sound was recovered	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
377	04 02 02 00 00 00 00	00	00	00	00	00	00	00	00	Analogue Audio Coding Characteristics	Analogue Audio Characteristics	Information about the original analogue coding of the essence	#REF!	#REF!			Node	
378	04 02 02 01 00 00 00	00	00	00	00	00	00	00	00	Analogue system	Analogue System	Rd, Dolby-A etc	#REF!	ISO 7-bit char string	32 bytes max		Leaf	

FIG.19

329	04	02	03	00	00	00	00	00	00	Digital Audio Sampling Characteristics	Audio Sampling Characteristics	sampling frequency, reference clock, bits per sample, rounding, other (rectangular, triangular PD)	#REF!			Node
330	04	02	03	01	00	00	00	00	00	Sample rate	Sample Rate	The sample rate	#REF! Unit8	1 byte	See types dictionary	Leaf
331	04	02	03	02	00	00	00	00	00	Reference clock frequency	Clock Frequency	The reference clock frequency in Hz	#REF! Unit8	1 byte	See types dictionary	Leaf
332	04	02	03	03	00	00	00	00	00	Bits per Sample	Bits Per Samples	The maximum number of significant bits for the value without compression.	#REF! Unit8	1 byte		Leaf
333	04	02	03	04	00	00	00	00	00	Rounding law	Rounding Law	The rounding law applied	#REF! ISO 7-bit char	4 chars max	See types dictionary	Leaf
334	04	02	03	05	00	00	00	00	00	Dither	Dither	rectangular, triangular PD	#REF! ISO 7-bit char	4 chars max	See types dictionary	Leaf
335	04	02	04	00	00	00	00	00	00	Digital Audio Coding Characteristics	Audio Coding Characteristics	Information about the essence digital coding	#REF!			Node
336	04	02	04	01	00	00	00	00	00	Coding Law	Coding Law	Type of coding (u-Law, A-law, block companding G.711, G.722, MPEG type, layer no, Dolby AC	#REF! ISO 7-bit char	4 chars max	See types dictionary	Leaf
337	04	02	04	02	00	00	00	00	00	Layer number	Layer Number	The layer number of the digital coding	#REF! Unit8	1 byte		Leaf
338	04	02	04	03	00	00	00	00	00	Average Bit rate	Average Bit Rate	The Average bit rate	#REF! Floating Point	4 bytes		Leaf
339	04	02	04	04	00	00	00	00	00	Fixed bitrate	Fixed Bit Rate	Fixed = TRUE, variable = FALSE	#REF! Boolean	1 byte	00h (FALSE), FFh (TRUE)	Leaf
340	04	02	07	00	00	00	00	00	00	Audio test parameters	Audio Test Parameters	Audio test parameters from the original recording	#REF!			Node
341	04	02	07	01	00	00	00	00	00	Signal to noise ratio	SNR	The measured signal to noise ratio of the original recording	#REF! Floating Point	4 bytes		Leaf
342	04	02	07	02	00	00	00	00	00	Weighting	Weighting	The weighting used in measurements	#REF! ISO 7-bit char	4 chars max	See types dictionary	Leaf
343	04	02	08	00	00	00	00	00	00	Audio summary information	Audio Summary Information		#REF!			Node
344	04	02	08	01	00	00	00	00	00	AIFCDescriptor_Summary	AIFC Format Summary	Contains AIFC format summary	#REF! DataValue	variable		Leaf
345	04	02	08	02	00	00	00	00	00	WAVEDescriptor_Summary	Wave Format Summary	Contains the WAVE audio format summary data	#REF! DataValue	variable		Leaf
346	04	03	00	00	00	00	00	00	00	Data Essence Encoding Characteristics	Encoding Method	Operating characteristics of the device creating the data essence.	#REF!			Node

SMPTE label					Data Element Name	Japanese Names	Data Element Definition	Eurocode	Type	Value Length	Value Range	Node/Leaf	Defining Document
397-04	03	01	00	00	00	Fundamental Characteristics	Fundamental Data characteristics	#REF!				Node	
398-04	03	01	01	00	00	Analogue Data Essence Coding Characteristics	Information About Original Signals	#REF!				Node	
399-04	03	01	01	01	00	Analogue Data Coding	Analogue Data Coding	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
400-04	03	02	00	00	00	Digital Data Coding Characteristics	Digital Coding Characteristics	#REF!				Node	
401-04	03	03	00	00	00	Data test parameters	Data From The Original Recording	#REF!				Node	
402-04	04	00	00	00	00	Metadata Encoding Characteristics	Metadata Device Characteristics	#REF!				Node	
403-04	04	01	00	00	00	Metadata Fundamental Characteristics	Fundamental Metadata characteristics	#REF!				Node	
404-04	04	01	01	00	00	Timecode Characteristics	Characteristics of timecode metadata	#REF!				Node	
405-04	04	01	01	01	00	Timecode Kind	eg. Dropframe, non drop frame, EBU, 300W, 12M etc	#REF!				Node	
406-04	04	01	01	01	00	Timecode Kind	Timecode Kind expressed as a ISO 7-bit string	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
407-04	04	01	01	01	02	Drop	Drop Frame	#REF!	Boolean	1 byte		Leaf	W25.S2
408-04	04	01	01	01	03	Source type	LTC/VITC	#REF!	7CSorce	2 bytes		Leaf	W25.S2
409-04	04	01	01	02	00	Timecode Timebase	Timecode Timebase	#REF!				Type Node	
410-04	04	01	01	02	01	00	Same as 410	#REF!	UH18	1 byte	See types dictionary	Leaf	
411-04	04	01	01	02	02	00	Frames Per Second	#REF!	UH15	2 bytes		Leaf	W25.S2

FIG. 20

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	04	04	04	01	01	03	00	00	00	Timecode User: bit flag	User Bits On/Off	User bits active = True	#REF!	Boolean	1 byte	coh (FALSE), FTH (TRUE)	Leaf
412	04	04	04	01	01	04	00	00	00	Start	Start Address	Specifies starting timecode in edit units	#REF!	Position	8 bytes		Leaf
413	04	04	04	01	01	07	00	00	00	TimecodeStream_SampleRate	Sample Rate of Timecode	Specifies sample rate of timecode	#REF!	Rational	8 bytes		W25.52
414	04	04	04	01	01	08	00	00	00	Source	Timecode Data	Contains timecode data	#REF!	DataStream	variable		W25.52
415	04	04	04	01	01	0A	01	00	00	IncludeSync	Timecode With Sync Signals	Specifies whether synchronization data is included	#REF!	Boolean	1 byte		W25.52
416	04	04	04	02	00	00	00	00	00	Analogue Metadata Coding Characteristics	Analogue Metadata Information	Information about the original analogue coding of the metadata	#REF!			Node	
417	04	04	04	02	01	00	00	00	00	Analogue Metadata Carrier	Analogue Metadata Carrier	eg. Teletext	#REF!	ISO 7-bit char	4 chars max See types dictionary	Leaf	
418	04	04	04	03	00	00	00	00	00	Digital Metadata Coding Characteristics	Digital Metadata Information	Information about the metadata digital coding	#REF!			Node	
419	04	04	04	03	01	00	00	00	00	Digital Metadata Carrier	Digital Metadata Carrier	The metadata coding type - eg. Digital VBI, AES-3	#REF!	ISO 7-bit char	4 chars max See types dictionary	Leaf	
420	04	04	04	07	00	00	00	00	00	Metadata test parameters	Metadata Test Characteristics	Metadata test parameters from the original recording	#REF!			Node	
421	04	05	00	00	00	00	00	00	00	System & Control Encoding Characteristics	Device Characteristics	Operating characteristics of the device creating the system and control information	#REF!			Node	
422	04	05	01	00	00	00	00	00	00	System & Control Fundamental Characteristics	Fundamental Metadata Characteristics	Fundamental System and Control Metadata characteristics	#REF!			Node	
423	04	05	01	01	00	00	00	00	00	Analogue System & Control Coding Characteristics	Original Analogue Signal Characteristics	Information about the original analogue coding of the system & control data	#REF!			Node	
424	04	05	01	01	01	00	00	00	00	Analogue System & Control Coding	Analog System	eg. Teletext	#REF!	ISO 7-bit char	4 chars max See types dictionary	Leaf	
425	04	05	02	00	00	00	00	00	00	Digital System Coding Characteristics	Information About The Original Digital Coding	Information about the original digital coding of the system & control data	#REF!			Node	
426	04	05	03	00	00	00	00	00	00	Digital System Metadata Sampling Characteristics	Information About Digital Metadata	Information about the System and Control metadata digital sampling	#REF!			Node	
427	04	05	04	00	00	00	00	00	00	System Metadata test parameters	Original Signal Metadata Characteristics	System and Control metadata test parameters from the original recording	#REF!			Node	
428	04	06	00	00	00	00	00	00	00	General Encoding Characteristics	General Encoding Characteristics	Characteristics that apply to more than one type of essence or metadata	#REF!			Node	

Line #	ISMPTE label					Data Element Name	Japanese Names	Data Element Definition	ISO #	Type	Value Length	Value Range	Node/Leaf	Defining Document
430	04 06 01 00 00 00 00 00	General Essence Encoding Characteristics	General Essence Encoding Characteristics					Characteristics that apply to more than one type of essence	#REF!				Node	
431	04 06 01 01 00 00 00 00	SampleRate	Sampling Rate					Specifies the sample rate of essence data	#REF!	Rational	8 bytes		Leaf	W25.52
432	04 06 01 02 00 00 00 00	Length	Length					Specifies the number of samples of essence data	#REF!	Length	8 bytes		Leaf	W25.52
433	04 06 02 00 00 00 00 00	Container encoding Characteristics	Container Encoding Characteristics					Characteristics that apply to the container of the metadata or essence	#REF!				Node	
434	04 06 02 01 00 00 00 00	ByteOrder	Byte Order					Specifies the byte order of the metadata	#REF!	Int16	2 bytes		Leaf	
435	04 07 00 00 00 00 00 00	Storage Medium parameters	Storage Medium Information					Characteristics that describe the physical media such as cartridge size	#REF!				Node	
436	04 07 01 00 00 00 00 00	Tape cartridge format	Tape Cartridge Format						#REF!				Node	
437	04 07 01 01 00 00 00 00	Videotape gauge and format	Videotape Gauge					The gauge and format of the videotape e.g. Betacam SP, HDVS 24P	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
438	04 07 01 02 00 00 00 00	FormFactor	Size of Tape					Specifies the physical size of tape	#REF!	TapeCaseType	12 bytes		Leaf	W25.52
439	04 07 01 03 00 00 00 00	VideoSignal	Signal Form					Specifies whether the tape is NTSC, PAL or SECAM	#REF!	VideoSignalType	12 bytes		Leaf	W25.52
440	04 07 01 04 00 00 00 00	TapeFormat	Tape Format					Describes the format of the tape	#REF!	TapeFormatType	12 bytes		Leaf	W25.52
441	04 07 01 05 00 00 00 00	Length	Recording Time					Specifies the tape capacity in minutes	#REF!	Length	8 bytes		Leaf	W25.52
442	04 07 01 06 00 00 00 00	TapeDescriptor_ManufactureID	Tape Manufacturer					Specifies the SMPTE label or AUID that identifies the manufacturer	#REF!	Unicode String	variable		Leaf	W25.52
443	04 07 01 07 00 00 00 00	Model	Tape Model Number					Specifies the tape model number	#REF!	Unicode String	variable		Leaf	W25.52
444	04 07 02 00 00 00 00 00	Disc recorder parameters	Disc Recorder Information					Information about the recorder disc	#REF!				Node	

FIG.21

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445	04	07	02	01	00	00	00	00	00	00	Disc kind and format	Disc Kind	The kind and format of the disc eg. Recordable DVD, CD Rom	#REF!	ISO 7-bit char string	32 bytes max	Leaf
446	04	07	03	00	00	00	00	00	00	00	Film Medium Parameters	Film Medium Information	Information about the physical film media	#REF!			Node
447	04	07	03	01	00	00	00	00	00	00	Film stock manufacturer	Film Stock Manufacturer	eg Kodak, Ilford	#REF!	ISO 7-bit char string	32 bytes max	Leaf
448	04	07	03	02	00	00	00	00	00	00	Film stock type	Film Stock Type	eg 5247	#REF!	ISO 7-bit char string	32 bytes max	Leaf
449	04	07	03	03	00	00	00	00	00	00	PerforationsPerFrame	Perforations Information	Specifies number of perforations per frame (chars 3 or 4)	#REF!	Unicode	1 byte	Leaf
450	04	07	03	04	00	00	00	00	00	00	FilmKind	Film Kind	Specifies the film type	#REF!	Film type	2 bytes	Leaf
451	04	07	03	05	00	00	00	00	00	00	FilmFormat	Film Format	Identifies kind of film stock	#REF!	Film type	2 bytes	Leaf
452	04	07	03	06	00	00	00	00	00	00	FilmAspectRatio	Film Aspect Ratio	Specifies image aspect ratio for film	#REF!	Rational	8 bytes	Leaf
453	04	07	03	07	00	00	00	00	00	00	Manufacturer	Manufacturer	Specifies manufacturer of film stock	#REF!	Unicode String	variable	Leaf
454	04	07	03	08	00	00	00	00	00	00	Model	Model	Specifies film model number	#REF!	Unicode String	variable	Leaf
455	04	07	03	09	00	00	00	00	00	00	Film gauge and format	Film Gauge	The gauge and format of the film eg 70 mm Neg, Blair Wovenscope 48 mm	#REF!	ISO 7-bit char string	32 bytes max	Leaf
456	04	03	02	00	00	00	00	00	00	00	Object Characteristics (Placeholder)			#REF!			Node
457	04	10	00	00	00	00	00	00	00	00	Device Characteristics	Device Characteristics	Information about the devices used	#REF!			Node
458	04	10	01	00	00	00	00	00	00	00	Camera Characteristics	Camera Characteristics	Information about camera devices	#REF!			Node
459	04	10	01	01	00	00	00	00	00	00	Optical Characteristics	Optical Characteristics	Information about camera optics	#REF!			Node
460	04	10	01	01	01	00	00	00	00	00	Focal Length	Focal Length	Focal length of the lens at time of collection	#REF!	Floating Point	4 bytes	Leaf
461	04	10	01	01	01	00	00	00	00	00	Sensor Size	CCD Size	The size of the sensor - eg. 1/2", 2/3" etc	#REF!	ISO 7-bit char	4 chars max	Leaf
462	04	10	01	01	02	00	00	00	00	00	Lens Aperture	Lens	Aperture of the lens at the time of collection	#REF!	Floating Point	4 bytes	Leaf

Line #	SNIPTE label						Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
463	04	10	01	01	02	00	00	00	CCD Size of Original Signals		#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf
464	04	10	01	01	03	00	00	00	Field of View		#REF!	Roating Point	4 bytes		Leaf
465	04	10	01	01	04	00	00	00	Anamorphic lens characteristic		#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf
466	04	10	01	02	00	00	00	00	Optical Test Characteristics		#REF!				Node
467	04	10	01	02	00	00	00	00	Optical Sensor Characteristics		#REF!				Node
468	04	10	01	02	01	00	00	00	Flare		#REF!	Roating Point	4 bytes		Leaf
469	04	10	02	00	00	00	00	00	Microphone Characteristics		#REF!				Node
470	04	10	02	01	00	00	00	00	Sensor type		#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf
471	04	10	02	02	00	00	00	00	Polar characteristic		#REF!	ISO 7-bit char	32 bytes max		Leaf
472	04	15	00	00	00	00	00	00	Image Characteristics		#REF!				Node
473	04	15	01	00	00	00	00	00	Image Category		#REF!	ISO 7-bit char	32 bytes max		Leaf
474	05	00	00	00	00	00	00	00	PROCESS		#REF!				Node
475	05	01	00	00	00	00	00	00	Process indicators		#REF!				Node
476	05	01	01	00	00	00	00	00	Fundamental		#REF!				Node
477	05	01	01	01	00	00	00	00	Integration indication		#REF!	ISO 7-bit char	32 bytes max		Leaf

FIG. 22

478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Quality Flag					Duplication Property					Quality of a specific recording/physical copy (good/no good)					Boolean					1 byte					00h (NO GOOD), FFh (GOOD)					Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Physical Instance Category					Duplication Purpose					Category of physical copy (e.g. master copy, copy, broadcast copy)					ISO 7-bit char string					32 bytes max					Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Capture					Capture					Information about how content capture															Node																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Digital or analogue origination					Digital or Analogue Origination					The nature of the first capture of the material					ISO 7-bit char string					32 bytes max					Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Microphone Placement techniques					Microphone Placement Techniques					spaced omnis, spaced cardoids, close miking					ISO 7-bit char string					32 bytes max					Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Manipulation					Manipulation					Information about how content manipulation															Node																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Simple Flagging					Number of Alterations					The number of alterations to the original file					Unit16					2 bytes					Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Copy Number					Number of Copies					The number of copies (i.e. not/less/more)					Unit8					1 byte					1 to 255																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Clone Number					Number of Clones					The number of clones (i.e. digitally/less/more)					Unit8					1 byte					1 to 255																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Work in Progress Flag					Work In Progress Flag					Is the essence is a work in progress? TRUE/FALSE					Boolean					1 byte					00h (FALSE), FFh (TRUE)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Digital or analogue mix					Digital or Analogue mix					The way in which the first mix down was done - particularly audio															Type Node																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Digital or analogue mix					Same as 489					The way in which the first mix down was done - particularly audio					ISO 7-bit char string					32 bytes max					Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Downstream Processing History					History of Compression for Payload					Audio history of compression for payload															Node																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Video Compression History					History of Compression for Video Payload					Audio history of compression for video payload															Node																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Video Compression Algorithm					Video Compression Algorithm					Algorithm used to compress video content					ISO 7-bit char					4 chars max					See types dictionary																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
MPEG-2 dynamic coding historical dataset					Compression Historical Dataset					Audio history of coding - see SMPTE XXX					as per standard										Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Video Noise Reduction Algorithm					Noise Reduction Algorithm					Algorithm used in a noise reduction process					ISO 7-bit char					4 chars max					See types dictionary																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Compression					Compression					Specifies video compression					AUDIO					16 bytes					Leaf																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Line #	SMPTLabel									Data Element Name	Japanese Names	Data Element Definition	5 0 2	Type	Value Length	Value Range	Node/Leaf	Defining Document
496	05 02 02	00	00	00	00	00	00	00	00	Audio Compression History	Audio Compression History	Audio history of compression for audio payload.	#REF!				Node	
497	05 02 02	01	00	00	00	00	00	00	00	Audio Compression Algorithm	Audio Compression Algorithm	Algorithms used, bitrates used, modes used.	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
498	05 02 02	00	00	00	00	00	00	00	00	MPEG-2 Audio dynamic coding History	Audio Coding History	quantisation per subband, scale factors as per SMPTE333X	#REF!	as per standard		Leaf		
499	05 02 02	03	00	00	00	00	00	00	00	Audio Noise Reduction Algorithm	Noise Reduction Algorithm	Algorithm used in a noise reduction process - eg Dolby SR, Telcom, other	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf	
500	05 02 03	00	00	00	00	00	00	00	00	Data Compression History	Same as 491	Audio history of compression for payload.	#REF!			Node		
501	05 02 04	00	00	00	00	00	00	00	00	Metadata Compression History	Metadata Compression History	Audio history of compression for payload.	#REF!			Node		
502	05 10 00	00	00	00	00	00	00	00	00	MPEG Processing	MPEG Processing	MPEG processing performed on the essence	#REF!			Node		
503	05 10 01	00	00	00	00	00	00	00	00	Splicing Metadata	Splicing Metadata	MPEG-2 splicing metadata as defined in SDTI-CP (EAM) and SMPTE 312M	#REF!	as per standard		Leaf		
504	05 20 00	00	00	00	00	00	00	00	00	Enhancement or Modification	Enhancement or Modification	Enhancement or modification to the essence	#REF!			Node		
505	05 20 01	00	00	00	00	00	00	00	00	Video processing	Modification to The Video Essence	Enhancement or modification to the video essence	#REF!			Node		
506	05 20 01	01	00	00	00	00	00	00	00	Enhancement or Modification Description	Modification Description	Description of how video content was modified	#REF!	ISO 7-bit char string	127 bytes max	Leaf		
507	05 20 01	02	00	00	00	00	00	00	00	Video processor settings (Device specific)	Device Disignation	The settings of a specific device in the system	#REF!			Node		
508	05 20 01	02	01	00	00	00	00	00	00	Device kind	Device Kind	Specific description for a device - eg for the film camera, film grading, video camera, variable gain amplifier etc	#REF!	ISO 7-bit char string	32 bytes max	Leaf		
509	05 20 01	02	02	00	00	00	00	00	00	Device parameter	Device Parameter	Specific parameter for the specified device eg. Overall gain, Red fit, coing	#REF!	ISO 7-bit char string	32 bytes max	Leaf		
510	05 20 01	02	03	00	00	00	00	00	00	Device parameter setting	Same as 510	The setting of the specific parameter for the specified device	#REF!	ISO 7-bit char string	32 bytes max	Leaf		

FIG.23

S11	05	20	02	00	00	00	00	00	Audio Processing	Audio Modification	Enhancement or modification to the audio essence	#REF!		Node
S12	05	20	02	01	00	00	00	00	Enhancement or Modification Description	Description of How Audio Content Was Modified	Description of how audio content was modified.	#REF!	ISO 7-bit char string max	Leaf
S13	05	20	02	02	00	00	00	00	Audio processor settings (Device specific)	Setting of Audio Device	The settings of a specific device in the system	#REF!		Node
S14	05	20	02	02	01	00	00	00	Device kind	Device Kind	Specific description for a device - eg The Compressor, limiter, etc	#REF!	ISO 7-bit char string max	Leaf
S15	05	20	02	02	02	00	00	00	Device parameter	Device Parameter	Specific parameter for the specified device eg Attack, gating	#REF!	ISO 7-bit char string max	Leaf
S16	05	20	02	02	03	00	00	00	Device parameter setting	Device Parameter Setting	The setting of the specific parameter for the specified device	#REF!	ISO 7-bit char string max	Leaf
S17	05	20	03	00	00	00	00	00	Data Processing	Data Processing	Enhancement or modification to the data essence	#REF!		Node
S18	05	20	03	01	00	00	00	00	Enhancement of Modification Description	Description of How Audio Content Was Modified	Description of how data content was modified.	#REF!	ISO 7-bit char string max	Leaf
S19	05	20	03	02	00	00	00	00	Data processor settings (Device-specific)	Device Setting	The settings of a specific device in the system	#REF!		Node
S20	05	20	03	02	01	00	00	00	Device kind	Device Kind	Specific description for a device	#REF!	ISO 7-bit char string max	Leaf
S21	05	20	03	02	02	00	00	00	Device parameter	Device Parameter	Specific parameter for the specified device	#REF!	ISO 7-bit char string max	Leaf
S22	05	20	03	02	03	00	00	00	Device parameter setting	Device Parameter Setting	The setting of the specific parameter for the specified device	#REF!	ISO 7-bit char string max	Leaf
S23	05	20	10	00	00	00	00	00	Editing Information	Editing Information	Information about alterations to the original image stream.	#REF!		Node
S24	05	20	10	01	00	00	00	00	Editing version information	Editing Version Information		#REF!	-	Node
S25	05	20	10	01	01	00	00	00	Version	Version of the Format	Specifies the version of the file format	#REF!	Version type 2 bytes	Leaf W25.52
S26	05	20	10	02	00	00	00	00	Editing decisions	Editing Details		#REF!		Node
S27	05	20	10	02	01	00	00	00	Relative Scope	Content of Change	Specifies relative scope	#REF!	Unit32 4 bytes	Leaf W25.52
S28	05	20	10	02	02	00	00	00	Relative Slot	Change Slot	Specifies slot in scope	#REF!	Unit32 4 bytes	Leaf W25.52

Line #	Label	Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Node/Leaf	Defining Document
529	05 20 10 02 03 00 00	SourceMobSID	Source Signal Mob	Specifies sid in mob	#REF!	Unicode	4 bytes		Leaf	W25.52
530	05 20 10 02 04 00 00	DefFadeType	Default Fade Type	Specifies the default fade type for audio soft cuts	#REF!	FadeType	2 bytes		Leaf	W25.52
531	05 20 10 03 00 00 00	Editing matte information	Editing Matte Information		#REF!				Node	
532	05 20 10 03 01 00 00	HotSpotRect	Editing Matte Type	Specifies matte as a rectangle	#REF!	Rectangle	32 bytes		Leaf	W25.52
533	05 20 10 04 00 00 00	Editing event information	Editing Event Information		#REF!				Node	
534	05 20 10 04 01 00 00	Event Comment	Comment	Describes event	#REF!	Unicode String	variable		Leaf	W25.52
535	05 20 10 04 02 00 00	ActiveState	Event On/Off	Specifies whether the event turns device on or off	#REF!	Boolean	1 byte		Leaf	W25.52
536	05 20 10 05 00 00 00	Editing effect information	Editing Effect Information		#REF!				Node	
537	05 20 10 05 01 00 00	FadeInType	Type of Audio Fade In	Specifies type of audio fade in	#REF!	FadeType	2 bytes		Leaf	W25.52
538	05 20 10 05 02 00 00	FadeOutType	Type of Audio Fade Out	Specifies type of audio fade out	#REF!	FadeType	2 bytes		Leaf	W25.52
539	05 20 10 05 03 01 00 00	ControlPoint_Value	Control Point	Specifies a value at a specified time	#REF!	DataValue	variable		Leaf	W25.52
540	05 20 10 05 04 02 00 00	ConstantValue_Value	Constant Value	Specifies a constant value	#REF!	DataValue	variable		Leaf	W25.52
541	05 20 10 05 05 00 00 00	EditHint	Hints	Provides hints useful when control point is edited	#REF!	EditHintType	2 bytes		Leaf	W25.52
542	05 20 10 05 06 00 00 00	IsTimeWrap	Transient Information	Identifies time-varying effects	#REF!	Boolean	1 byte		Leaf	W25.52
543	05 20 10 05 07 00 00 00	Category	Category Information	Identifies category of operation (effect, 3D transform, etc.)	#REF!	OpCategories	variable		Leaf	W25.52

FIG.24

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544	05	20	10	05	00	00	00	00	00	00	Number of Input Segments	Specifies number of input segments		REF	int2	4 bytes		Leaf	W25.52
545	05	20	10	05	00	00	00	00	00	00	Bypass Information	Specifies default input to play		REF	int32	4 bytes		Leaf	W25.52
546	05	20	10	05	00	00	00	00	00	00	Editing web information			REF				Node	
547	05	20	10	05	01	00	00	00	00	00	Begin	Specifies start of reference		REF	Unicode String	variable		Leaf	W25.52
548	05	20	10	05	02	00	00	00	00	00	End	Specifies end of reference		REF	Unicode String	variable		Leaf	W25.52
549	05	20	10	07	00	00	00	00	00	00	Editing user notes			REF				Node	
550	05	20	10	07	01	00	00	00	00	00	Tagged/Value_Name	Specifies the tag		REF	Unicode String	variable		Leaf	W25.52
551	05	20	10	07	02	00	00	00	00	00	Tagged/Value_Value	Specifies the tagged value		REF	Data Value	variable		Leaf	W25.52
552	05	00	00	00	00	00	00	00	00	00	RELATIONAL	Class 6 is reserved for information about the relationships between data		REF				Node	
553	05	01	00	00	00	00	00	00	00	00	Relationships	What is being related?		REF				Node	
554	05	01	01	00	00	00	00	00	00	00	Relatives	Type of relation (e.g. is part of, is an item of [programme, series], remix, remake...)		REF				Node	
555	05	01	01	01	00	00	00	00	00	00	Essence to Essence	The relationship value in terms of Parent of, Child of, Item of, Excerpt of, Version of, Completion of, etc		REF	ISO 7-bit char string	32 bytes max		Node	
556	05	01	01	01	01	00	00	00	00	00	Source Material	For asset tracking		REF				Node	
557	05	01	01	01	01	01	00	00	00	00	Source Material UMID	For asset tracking		REF	UMID			Leaf	
558	05	01	01	01	01	01	02	00	00	00	Source Material	For asset tracking		REF	ISO 7-bit char string	32 bytes max		Leaf	
559	05	01	01	01	01	02	00	00	00	00	Most Recent Edit Text	For asset tracking		REF				Node	
560	05	01	01	01	01	01	01	00	00	00	Most recent edit UMID	For asset tracking		REF	UMID			Leaf	
561	05	01	01	01	01	02	00	00	00	00	Most recent edit text	For asset tracking		REF	ISO 7-bit char string	32 bytes max		Leaf	

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Line #	SWITE Label						Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
552	06 01 01 02	00	00	00	00	00	Metadata to Essence	Metadata To Essence	The relationship between metadata and essence	#REF!				Node	
553	06 01 01 03	00	00	00	00	00	Metadata to Metadata	Metadata To Metadata	The relationship value in terms of Parent of Child of,	#REF!				Node	
554	06 01 01 04	00	00	00	00	00	Object to Object	Object To Object	The relationship value in terms of Parent of Child of, Item of,	#REF!				Node	
555	06 01 01 05	00	00	00	00	00	Metadata to Object	Metadata To Object	The relationship between metadata and an object	#REF!				Node	
556	06 02 00 00	00	00	00	00	00	Related production material	Related To Production Material	Related production material	#REF!				Node	
557	06 02 01 01	00	00	00	00	00	Programme support material	Relation To Support Material	eg printed educational material	#REF!	ISO 7-bit char string	127 bytes max		Leaf	
558	06 02 01 02	00	00	00	00	00	Programme advertising material	Relation To Advertising Material	eg printed advertising material	#REF!	ISO 7-bit char string	127 bytes max		Leaf	
559	06 02 01 03	00	00	00	00	00	Programme commercial material	Relation To Commercial Material	eg. Mugs, T-shirts, recordings	#REF!	ISO 7-bit char string	127 bytes max		Leaf	
570	05 03 00 00	00	00	00	00	00	Numerical sequence	Information About Numerical Sequence	Information about numerical sequences	#REF!				Node	
571	03 00 01 00	00	00	00	00	00	Numerical position in sequence	Numerical Sequence	1, 2, 3 etc	#REF!	UInt32	4 bytes		Leaf	
572	03 03 00 00	00	00	00	00	00	Relative position in sequence (value)	Offset Information	Numerical offset	#REF!	UInt32	4 bytes		Leaf	
573	03 03 00 00	00	00	00	00	00	Relative position in sequence (descriptive)	Previous, Next Information	previous, next etc	#REF!				Type Node	
574	03 03 01 00	00	00	00	00	00	Relative position in sequence (descriptive)	Previous, Next Information	previous, next etc	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
575	05 04 00 00	00	00	00	00	00	Relationship structures	Relationship of Structure		#REF!				Node	
576	05 04 01 00	00	00	00	00	00	Containing relations	Containing Relations		#REF!				Node	

FIG. 25

[illegible]

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577	06	04	01	01	00	00	00	00	Contains one	Content itself ?					#REF!				Node	
578	05	04	01	01	00	00	00	00	StillFrame	Still Frame	Specifies still image of video essence				#REF!	StrongReference	N/A	SourceReference	Leaf	W25.52
579	06	04	01	01	00	00	00	00	HotSpotMatte	Hot Spot Matte	Specifies matte as an alpha channel				#REF!	StrongReference	N/A	SourceClip	Leaf	W25.52
580	06	04	01	01	00	00	00	00	Annotation	Annotation	Specifies audio or text comment				#REF!	StrongReference	N/A	SourceReference	Leaf	W25.52
581	06	04	01	01	00	00	00	00	Rendering	Rendering	Specifies precomputed version of operation				#REF!	StrongReference	N/A	SourceReference	Leaf	W25.52
582	06	04	01	01	00	00	00	00	InputSegment	Pull-down	Specifies input for pull-down				#REF!	StrongReference	N/A	Segment	Leaf	W25.52
583	06	04	01	01	00	00	00	00	Selected	Selection	Specifies segment selected in edit decision				#REF!	StrongReference	N/A	Segment	Leaf	W25.52
584	06	04	01	01	00	00	00	00	OperationGroup	Effect Used In The Transition	Specifies effect used in the transition				#REF!	StrongReference	N/A	OperationGroup	Leaf	W25.52
585	06	04	01	01	00	00	00	00	ManufactureInfo	Web Address	Specifies location of web site				#REF!	StrongReference	16 bytes	NetworkLocator	Leaf	W25.52
586	06	04	01	01	00	00	00	00	Content	Content Mob	Contains the mobs and essence data				#REF!	StrongReference	N/A	ContentStorage	Leaf	W25.52
587	06	04	01	01	00	00	00	00	Dictionary	Content Definitions	Contains the definitions				#REF!	StrongReference	N/A	Dictionary	Leaf	W25.52
588	06	04	01	01	00	00	00	00	EssenceDescription	Essence Definitions	Describes the essence format				#REF!	StrongReference	N/A	EssenceDescriptor	Leaf	W25.52
589	06	04	01	01	00	00	00	00	Segment	Segment Definitions	Contains the segment				#REF!	StrongReference	N/A	Segment	Leaf	W25.52
590	06	04	01	02	00	00	00	00	Contains set	Contains Set					#REF!			Node		
591	06	04	01	02	01	00	00	00	Parameters	Parameter	Specifies the control parameters				#REF!	StrongReferenceSetN/A	Parameter	Leaf	W25.52	
592	06	04	01	02	00	00	00	00	Alternates	Alternate in Segment	Specifies alternate segments				#REF!	StrongReferenceSetN/A	Segment	Leaf	W25.52	
593	06	04	01	02	00	00	00	00	Mobs	Mobs	Specifies mobs				#REF!	StrongReferenceSetN/A	Mob	Leaf	W25.52	
594	06	04	01	02	00	00	00	00	EssenceData	Essence Data	Specifies essence data				#REF!	StrongReferenceSetN/A	EssenceData	Leaf	W25.52	

Line #	SMPT Label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model Leaf	Defining Document
595	06 04 01 02 05 00 00	Properties	Properties	Contains properties defined for class				#REF!	StrongReferenceSelN/A			Property Definition	Leaf	W25.52
596	06 04 01 02 06 00 00	Locators	Locators	Specifies location of plugins				#REF!	StrongReferenceSelN/A			Locator	Leaf	W25.52
597	06 04 01 02 07 00 00	Class Definitions	Class Definitions	Contains class definitions				#REF!	StrongReferenceSelN/A			Class Definition	Leaf	W25.52
598	06 04 01 02 08 00 00	Type Definitions	Type Definitions	Contains type definitions				#REF!	StrongReferenceSelN/A			Type Definition	Leaf	W25.52
599	06 04 01 02 09 00 00	Operation Definitions	Operation Definitions	Contains operation definitions				#REF!	StrongReferenceSelN/A			Operation Definition	Leaf	W25.52
600	06 04 01 02 0A 00 00	Parameter Definitions	Parameter Definitions	Contains operation parameter definitions				#REF!	StrongReferenceSelN/A			Parameter Definition	Leaf	W25.52
601	06 04 01 02 0B 00 00	Data Definitions	Data Definitions	Contains data definitions				#REF!	StrongReferenceSelN/A			Data Definition	Leaf	W25.52
602	06 04 01 02 0C 00 00	Plugin Descriptors	Plugin Descriptors	Contains plugin descriptors				#REF!	StrongReferenceSelN/A			Plugin Descriptor	Leaf	W25.52
603	06 04 01 02 0D 00 00	Coder Definitions	Coder Definitions	Contains coder definitions				#REF!	StrongReferenceSelN/A			Coder Definition	Leaf	W25.52
604	06 04 01 02 0E 00 00	Container Definitions	Container Definitions	Contains container definitions				#REF!	StrongReferenceSelN/A			Container Definition	Leaf	W25.52
605	06 04 01 02 0F 00 00	Interpolator Definitions	Interpolator Definitions	Contains interpolator definitions				#REF!	StrongReferenceSelN/A			Interpolation Definition	Leaf	W25.52
606	06 04 01 02 10 00 00	User Comments	Comments	Contains user comments about mob				#REF!	StrongReferenceSelN/A			Tagged Value	Leaf	W25.52
607	06 04 01 03 00 00 00	Contains ordered set	Contains Sequence					#REF!					Node	
608	06 04 01 03 01 00 00	Choices	Format Specifications	Specifies same essence in different formats				#REF!	StrongReferenceSelN/A			Source Reference	Leaf	W25.52
609	06 04 01 03 02 00 00	Input Segments	Input Segment	Specifies the input to the operation				#REF!	StrongReferenceSelN/A			Segment	Leaf	W25.52

FIG.26

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610	06	04	01	03	03	00	00	00	NestedScope_Slots	Nesting Information	Specifies slots for nesting	#REF!	StrongReference/N/A	Segment	Leaf	W25.52	
611	06	04	01	03	04	00	00	00	Components	Component	Specifies items to be put in sequence	#REF!	StrongReference/N/A	Component	Leaf	W25.52	
612	06	04	01	03	05	00	00	00	Locator	Locator	Specifies locations of essence data	#REF!	StrongReference/N/A	Locator	Leaf	W25.52	
613	06	04	01	03	06	00	00	00	IdentificationList	ID List	Identifies the time and application modifying the container	#REF!	StrongReference/N/A	Identification	Leaf	W25.52	
614	06	04	01	03	07	00	00	00	Mob_Slots	Mob Slot	Contains the slots in the mob	#REF!	StrongReference/N/A	MobSlot	Leaf	W25.52	
615	06	04	01	03	08	00	00	00	PointList	Point Value	Specifies the values at specifies points in time	#REF!	StrongReference/N/A	ControlPoint	Leaf	W25.52	
616	06	04	01	04	00	00	00	00	Contains stream of data	Contains Stream of Data		#REF!			Node		
617	06	04	01	04	01	00	00	00	Data	Data	Contains essence data	#REF!	DataStream	variable	Leaf	W25.52	
618	06	04	01	04	02	00	00	00	SampleIndex	ID	Contains index to essence data	#REF!	PositionArray	variable	Leaf	W25.52	
619	06	04	02	00	00	00	00	00	Weak reference relation	Problematic Point		#REF!			Node		
620	06	04	02	01	00	00	00	00	Weak reference to one object	Object Problematic Point		#REF!			Node		
621	06	04	02	01	01	00	00	00	Generation	Generation	Unique identifier used to differentiate versions of the same object	#REF!	WeakReference	16 bytes	Identification	Leaf	W25.52
622	06	04	02	01	02	00	00	00	DataDefinition	Data Definition	Specifies the basic kind of data of the essence	#REF!	WeakReference	16 bytes	DataDefinition	Leaf	W25.52
623	06	04	02	01	03	00	00	00	OperationDefinition	Operation Definition	Specifies the operation to be performed	#REF!	WeakReference	16 bytes	OperationDefinition	Leaf	W25.52
624	06	04	02	01	04	00	00	00	SourceID	Source ID	Specifies mob	#REF!	WeakReference	16 bytes	Mob	Leaf	W25.52
625	06	04	02	01	05	00	00	00	ControlPoint_Type	Effect Type	Specifies data type of effect control	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
626	06	04	02	01	06	00	00	00	OperationDefinition_DataDefinition	ID After Editing	Identifies essence type produced by operation	#REF!	WeakReference	16 bytes	DataDefinition	Leaf	W25.52
627	06	04	02	01	07	00	00	00	ParameterDefinition_Type	Control Type	Specifies data type of effect control	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52

Line #	SMPT Label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model Leaf	Defining Document
629	06 04 02 01 03 00 00 00					PropertyDefinition_Type	Property	Specifies data type of property	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
629	06 04 02 01 09 00 00 00					CategoryClass	Category	Specifies definition object associated with plugin	#REF!	WeakReference	16 bytes	DefinitionObject	Leaf	W25.52
630	06 04 02 01 0A 00 00 00					FileDescriptionClass	File Descriptor	Identifies FileDescriptor associated with codec	#REF!	WeakReference	16 bytes	ClassDefinition	Leaf	W25.52
631	06 04 02 01 0B 00 00 00					MobID	Mob ID	Specifies mob that describes essence	#REF!	WeakReference	16 bytes	Mob	Leaf	W25.52
632	06 04 02 01 0C 00 00 00					ContainerFormat	Container Format	Specifies container definition	#REF!	WeakReference	16 bytes	ContainerDefinition	Leaf	W25.52
633	06 04 02 01 0D 00 00 00					Definition	Parameter Definition	Specifies the Parameter Definition	#REF!	WeakReference	16 bytes	ParameterDefinition	Leaf	W25.52
634	06 04 02 01 0E 00 00 00					Parameter_Type	Type of The Parameter	Specifies the data type of the parameter	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
635	06 04 02 01 0F 00 00 00					Interpolation	Interpolation	Specifies interpolation method to use	#REF!	WeakReference	16 bytes	InterpolationDefinition	Leaf	W25.52
636	06 04 02 01 10 00 00 00					TaggedValue_Type	Data Type	Specifies the data type of the value	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
637	06 04 02 01 11 00 00 00					TypeDefinitionStrongObjectReference_ReferencedClass	Strong Pertinent of Object	Specifies the class of the referenced object	#REF!	WeakReference		ClassDefinition	Leaf	W25.52
638	06 04 02 01 12 00 00 00					TypeDefinitionWeakObjectReference_ReferencedClass	Weak Pertinent of Object	Specifies the class of the referenced object	#REF!	WeakReference		ClassDefinition	Leaf	W25.52
639	06 04 02 01 13 00 00 00					TypeDefinitionEnumeration_Element_Type	Underlying Segment Type	Specifies the underlying type	#REF!	WeakReference		TypeDefinition	Leaf	W25.52
640	06 04 02 01 14 00 00 00					TypeDefinitionFixedArray_Element_Type	Type of Variable Array Element	Specifies the type of the array element	#REF!	WeakReference		TypeDefinition	Leaf	W25.52
641	06 04 02 01 15 00 00 00					TypeDefinitionVariableArray_Element_Type	Type of Fixed Array Element	Specifies the type of the array element	#REF!	WeakReference		TypeDefinition	Leaf	W25.52
642	06 04 02 01 16 00 00 00					TypeDefinitionSet_Element_Type	Specifies The Type of Set	Specifies the type of the set	#REF!	WeakReference		TypeDefinition	Leaf	W25.52

FIG.27

643	05	04	02	01	17	00	00	00	00	TypeDefinitionString_ElementType	String Element	Specifies the underlying type of the string	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
644	05	04	02	01	15	00	00	00	00	TypeDefinitionStream_ElementType	Stream Element	Specifies the underlying type of the stream	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
645	06	04	02	01	19	00	00	00	00	RenamedType	Rename	Specifies the underlying type	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
646	06	04	02	02	03	00	00	00	00	Set of weak references	Set of Weak Reference		#REF!			Node	
647	06	04	02	02	01	00	00	00	00	Plugin Descriptors	Plugin Descriptor	Describes plugins available for this object	#REF!	WeakReferenceSet/N/A	PluginDescriptor	Leaf	W25.52
648	06	04	02	02	02	00	00	00	00	Parameters Defined	Parameters	Specifies parameters that can be used with operation	#REF!	WeakReferenceSet/variable	ParameterDefinition	Leaf	W25.52
649	06	04	02	02	03	00	00	00	00	Data Definitions	Data Definitions	Identifies basic essence type supported by codec	#REF!	WeakReferenceSet/16 bytes	DataDefinition	Leaf	W25.52
650	06	04	02	03	00	00	00	00	00	Ordered set of weak references	Ordered Set of Weak References		#REF!			Node	
651	06	04	02	03	01	00	00	00	00	DegradableTo	Degradation of Properties	Identifies operations that can be substituted for this object	#REF!	WeakReference/Variable	OperationDefinition	Leaf	W25.52
652	06	04	02	03	02	00	00	00	00	Member Types	Member Types	Specifies the types of the fields in the record	#REF!	WeakReference/Vector	TypeDefinition	Leaf	W25.52
653	06	04	03	00	00	00	00	00	00	Class relations	Class Relations		#REF!			Node	
654	06	04	03	01	00	00	00	00	00	Parent class	Parent Relations		#REF!			Node	
655	06	04	03	01	01	00	00	00	00	ParentClass	Parent Class	Identifies parent class	#REF!	WeakReference	ClassDefinition	Leaf	W25.52
656	06	04	03	02	00	00	00	00	00	Child class	Child Class		#REF!			Node	
657	06	04	03	03	00	00	00	00	00	Instance of class	Instance of Class		#REF!			Node	
658	06	04	03	03	01	00	00	00	00	ObjClass	Class of The Object	Identifies the class of the object	#REF!	WeakReference	ClassDefinition	Leaf	W25.52
659	06	04	04	00	00	00	00	00	00	Metadata object definitions	Metadata Object Definitions		#REF!			Node	
660	06	04	04	01	00	00	00	00	00	Class definition	Class Definition		#REF!			Node	

Line #	SMPT Label					Data Element Name	Japanese Names	Data Element Definition	Unit	Type	Value Length	Value Range	Node/Leaf	Defining Document
651	05	04	04	02	00	00	Properties		#REF!				Node	
652	06	04	04	02	01	00	IsSearchable	Provides hints for database access	#REF!	Boolean	1 byte		Leaf	W25.52
653	06	04	04	02	02	00	IsOptional	Specifies whether property is optional or mandatory	#REF!	Boolean	1 byte		Leaf	W25.52
654	05	04	04	02	03	00	DefaultValue	Specifies default value if optional property is omitted	#REF!	DataValue	variable		Leaf	W25.52
655	06	04	04	02	04	00	LocalIdentification	Specifies local identification for property	#REF!	UInt32	4 bytes		Leaf	W25.52
656	06	04	04	03	00	00	Type definition		#REF!				Node	
657	06	04	04	00	01	00	Size	Specifies the number of bytes in the integer	#REF!	UInt8			Leaf	W25.52
658	06	04	04	03	02	00	IsSigned	Specifies if the integer is signed	#REF!	Boolean			Leaf	W25.52
659	05	04	04	03	03	00	TypeDefinitionEnumeration_ElementNames	Specifies the names of the enumerated values	#REF!	StringArray			Leaf	W25.52
670	05	04	04	03	04	00	TypeDefinitionEnumeration_EnumValues	Specifies the values	#REF!	Array of Int64			Leaf	W25.52
671	05	04	04	03	05	00	ElementCount	Specifies the number of elements in the array	#REF!	UInt32			Leaf	W25.52
672	06	04	04	03	06	00	MemberNames	Specifies the names of the fields in the record	#REF!	StringArray			Leaf	W25.52
673	06	04	04	03	07	00	TypeDefinitionExtendibleEnumeration_ExtensionNames	Specifies the names of the enumerated values	#REF!	StringArray			Leaf	W25.52
674	06	04	04	03	08	00	TypeDefinitionExtendibleEnumeration_ExtensionValues	Specifies the SMPT labels or AUIDs	#REF!	AUIDArray			Leaf	W25.52
675	06	04	04	04	00	00	Instance descriptions	Instance Description	#REF!				Node	

FIG.28

676	06	04	04	01	00	00	00	00	00	Description	Description	Provides informative description	#REF!	Unicode String	variable	Leaf	W25.52
677	06	04	04	05	00	00	00	00	00	Container definitions	Container Definitions		#REF!			Node	
678	06	04	04	05	01	00	00	00	00	Essence identified	Essence Label	Specifies that the container format identifies essence with SMPTE label or other AUID	#REF!	Boolean	1 byte	Leaf	W25.52
679	06	04	05	00	00	00	00	00	00	Related code objects	Code Objects		#REF!			Node	
680	06	04	05	01	00	00	00	00	00	Relations to plugin code objects	Plugin Code Objects		#REF!			Node	
681	05	04	05	01	01	00	00	00	00	Name	Name	Specifies name of plugin	#REF!	Unicode String	variable	Leaf	W25.52
682	05	04	05	01	02	00	00	00	00	PluginDescriptor_Identifier	Plugin	Specifies SMPTE label or GUID identifying plugin	#REF!	AUID	16 bytes	Leaf	W25.52
683	06	04	05	01	03	00	00	00	00	Description	Description	Provides informative description	#REF!	Unicode String	variable	Leaf	W25.52
684	05	04	05	01	04	00	00	00	00	VersionNumber	Version Number	Specifies version number of plugin code	#REF!	VersionType	2 bytes	Leaf	W25.52
685	05	04	05	01	05	00	00	00	00	VersionString	Version String	Specifies string version number of plugin code	#REF!	Unicode String	variable	Leaf	W25.52
686	06	04	05	01	06	00	00	00	00	Manufacturer	Manufacturer	Specifies manufacture of plugin	#REF!	Unicode String	variable	Leaf	W25.52
687	06	04	05	01	07	01	00	00	00	ManufacturerID	Manufacturer ID	Specifies SMPTE label or GUID identifying manufacturer	#REF!	AUID	16 bytes	Leaf	W25.52
688	06	04	05	01	08	04	00	00	00	Platform	Platform	Specifies hardware platform for plugin	#REF!	AUID	16 bytes	Leaf	W25.52
689	06	04	05	01	09	00	00	00	00	MinPlatformVersion	Platform Version	Specifies minimum OS version for plugin	#REF!	VersionType	2 bytes	Leaf	W25.52
690	06	04	05	01	0A	00	00	00	00	MaxPlatformVersion	Platform OS Version	Specifies maximum OS version for plugin	#REF!	VersionType	2 bytes	Leaf	W25.52
691	06	04	05	01	0B	00	00	00	00	Engine	Plugin Engine	Specifies plugin engine	#REF!	AUID	16 bytes	Leaf	W25.52
692	06	04	05	01	0C	00	00	00	00	MinEngineVersion	Minengine Version	Specifies minimum plugin engine version	#REF!	VersionType	2 bytes	Leaf	W25.52
693	06	04	05	01	0D	00	00	00	00	MaxEngineVersion	Maxengine Version	Specifies maximum plugin engine version	#REF!	VersionType	2 bytes	Leaf	W25.52

Line #												SIMPLE label												Data Element Name	Japanese Names	Data Element Definition	Link #	Type	Value Length	Value Range	Node/Leaf	Defining Document
694	05	04	05	01	0E	00	00	00	00	00	00	00	00	Plugin API	Plugin API	Specifies plugin API	#REF!	AUID	15 bytes		Leaf	W25.52										
695	06	04	05	01	0F	00	00	00	00	00	00	00	00	MinPlugin API	Minplugin API	Specifies minimum API version	#REF!	VersionType	2 bytes		Leaf	W25.52										
696	05	04	05	01	10	00	00	00	00	00	00	00	00	MaxPlugin API	Maxplugin API	Specifies maximum API version	#REF!	VersionType	2 bytes		Leaf	W25.52										
697	05	04	05	01	11	00	00	00	00	00	00	00	00	SoftwareOnly	Software	Specifies plugin can function without specialized hardware	#REF!	Boolean	1 byte		Leaf	W25.52										
698	05	04	05	01	12	00	00	00	00	00	00	00	00	Accelerator	Accelerator	Specifies plugin is optimized for specialized hardware	#REF!	Boolean	1 byte		Leaf	W25.52										
699	05	04	05	01	13	00	00	00	00	00	00	00	00	Authentication	Authentication	Specifies whether the plugin uses authentication	#REF!	Boolean	1 byte		Leaf	W25.52										
700	06	04	05	02	00	00	00	00	00	00	00	00	00	Relations to application code objects	Relations To Application Code		#REF!				Node											
701	05	04	05	02	01	00	00	00	00	00	00	00	00	CompanyName	Company Name	Specifies the name of company supplying the application	#REF!	Unicode String	variable		Leaf	W25.52										
702	05	04	05	02	02	00	00	00	00	00	00	00	00	ProductTime	Product Name	Specifies the application name	#REF!	Unicode String	variable		Leaf	W25.52										
703	05	04	05	02	03	00	00	00	00	00	00	00	00	ProductID	Product Number	Specifies the SMPTE label or GUID identifying the product	#REF!	AUID	16 bytes		Leaf	W25.52										
704	05	04	05	02	04	00	00	00	00	00	00	00	00	ProductVersion	Product Version	Specifies the application version	#REF!	ProductVersion	10 bytes		Leaf	W25.52										
705	05	04	05	02	05	00	00	00	00	00	00	00	00	ProductVersionString	Product Version String	Specifies a printable product version string	#REF!	Unicode String	variable		Leaf	W25.52										
706	05	04	05	02	06	00	00	00	00	00	00	00	00	ToolkitVersion	Toolkit Version	Specifies version number of toolkit	#REF!	ProductVersion	10 bytes		Leaf	W25.52										
707	05	04	05	02	07	00	00	00	00	00	00	00	00	Platform	Platform	Specifies hardware and OS platform application was on	#REF!	Unicode String	variable		Leaf	W25.52										
708	07	00	00	00	00	00	00	00	00	00	00	00	00	SPATIO-TEMPORAL	Class 7 Space and Time	Class 7 is reserved for information about space and time	#REF!				Node											

FIG. 29

	709	707	01	00	00	00	00	00	00	00	Position and Space Vectors	Position and Space Vectors	Information about position in space and associated vectors (if any)	\$REF\$			Node
	710	07	01	01	00	00	00	00	00	00	Image Coordinate System	Image Coordinate System	Indicates the georeferenced coordinate system for the image.	\$REF\$ ISO 7-bit char	4 chars max	See types dictionary	Leaf
	711	07	01	02	00	00	00	00	00	00	Map Datum Used	Map Datum Used	Identifies the map datum used to derive the coordinates (UTM or GSD).	\$REF\$ ISO 7-bit char	4 chars max	See types dictionary	Leaf
	712	07	01	05	00	00	00	00	00	00	Absolute Position	Absolute Position	Absolute positional information	\$REF\$			Node
	713	07	01	05	01	06	00	00	00	00	Local Datum Absolute Position	Local Reference Position	The absolute position of a local datum	\$REF\$			Node
	714	07	01	05	01	01	00	00	00	00	Local Datum Absolute Position Accuracy (m)	Local Reference Positional Accuracy	The accuracy with which the measurement of absolute position of the local datum is made	\$REF\$ Floating Point	4 bytes		Leaf
	715	07	01	05	02	00	00	00	00	00	Device Absolute Position	Device Absolute Position	The absolute position of the essence-capturing device	\$REF\$			Node
	716	07	01	05	02	01	00	00	00	00	Device Absolute Positional Accuracy (m)	Device Absolute Positional Information	Accuracy of frame center coordinates as a Circular Error Probable (CEP) (50%).	\$REF\$ Floating Point	4 bytes		Leaf
	717	07	01	05	02	02	00	00	00	00	Device Altitude (m)	Device Altitude	Altitude of sensor as measured from Mean Sea Level (MSL)	\$REF\$ Floating Point	4 bytes		Leaf
	718	07	01	05	02	03	00	00	00	00	Device Altitude (metres, concise)	Device Altitude	As above	\$REF\$ Binary	4 bytes	As per SMPTE 331M (UNID)	Leaf
	719	07	01	05	02	04	00	00	00	00	Device Latitude (degrees)	Device Latitude	Specifies a sensor's geographic location in degrees of latitude. Positive values indicate northern hemisphere; negative values indicate southern hemisphere.	\$REF\$ Floating Point	4 bytes		Leaf
	720	07	01	05	02	05	00	00	00	00	Device Latitude (degrees, concise)	Device Latitude	As above	\$REF\$ Binary	4 bytes	As per SMPTE 331M (UNID)	Leaf
	721	07	01	05	02	06	00	00	00	00	Device Longitude (degrees)	Device Longitude	Specifies a sensor's geographic location in degrees of longitude. Positive values indicate eastern hemisphere; negative values indicate western hemisphere.	\$REF\$ Floating Point	4 bytes		Leaf
	722	07	01	05	02	07	00	00	00	00	Device Longitude (degrees, concise)	Device Longitude	As above	\$REF\$ Binary	4 bytes	As per SMPTE 331M (UNID)	Leaf
	723	07	01	05	02	10	00	00	00	00	Device X Dimension (m)	Device X Dimension	Specifies the sensor location along the x-axis in Earth Centered, Earth Fixed (ECEF) Cartesian coordinates.	\$REF\$ Floating Point	4 bytes		Leaf
	724	07	01	05	02	11	00	00	00	00	Device Y Dimension (m)	Device Y Dimension	Specifies the sensor location along the y-axis in Earth Centered, Earth Fixed (ECEF) Cartesian coordinates.	\$REF\$ Floating Point	4 bytes		Leaf
	725	07	01	05	03	00	00	00	00	00	Subject Absolute Position	Subject Absolute Position	The absolute position of the subject depicted in the essence	\$REF\$			Node
	726	07	01	05	03	01	00	00	00	00	Frame Positional Accuracy (m)	Frame Positional Accuracy	Accuracy of frame center coordinates as a Circular Error Probable (CEP) (50%).	\$REF\$ Floating Point	4 bytes		Leaf

Line #	SMPTLabel									Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
727	07	01	05	03	02	00	00	00	00	Frame Center Latitude (degrees)	Frame Center Latitude	Specifies the video frame center point geographic location in degrees of latitude. Positive values indicate northern hemisphere, negative values indicate southern hemisphere.	#REF!	Floating Point	4 bytes		Leaf	
728	07	01	05	03	03	00	00	00	00	Frame Center Latitude (degrees, concise)	Frame Center Latitude	As above	#REF!	Binary	4 bytes	As per SMPT 331M (UMID)	Leaf	
729	07	01	05	03	04	00	00	00	00	Frame Center Longitude (degrees)	Frame Center Longitude	Specifies the video frame center point geographic location in degrees of longitude. Positive values indicate eastern hemisphere, negative values indicate western hemisphere.	#REF!	Floating Point	4 bytes		Leaf	
730	07	01	05	03	05	00	00	00	00	Frame Center Longitude (degrees, concise)	Frame Center Longitude	As above	#REF!	Binary	4 bytes	As per SMPT 331M (UMID)	Leaf	
731	07	01	05	03	06	00	00	00	00	Frame Center Lat-Long	Frame Center Lat-Long	Specifies a video frame center point geographic location Latitude and Longitude.	#REF!	ISO 7-bit char	14 bytes	Format is ddmmsXddmmsY, where 'dd' is degrees latitude, 'dd' is	Leaf	
732	07	01	05	00	00	00	00	00	00	Relative Position	Relative Position	Relative positional information	#REF!				Node	
733	07	01	05	01	00	00	00	00	00	Local Datum Relative Position	Local Datum Relative Position	The relative position of a local datum to another specified datum	#REF!				Node	
734	07	01	05	01	01	00	00	00	00	Local Datum Relative Position Accuracy	Local Datum Relative Positional Accuracy	The accuracy with which the measurement of relative position of the local datum is made	#REF!	Floating Point	4 bytes		Leaf	
735	07	01	05	02	00	00	00	00	00	Device Relative Position	Device Relative Position	The absolute position of the essence-capturing device	#REF!				Node	
736	07	01	05	02	01	00	00	00	00	Device Relative Position Accuracy	Device Relative Positional Accuracy	Accuracy of frame center coordinates	#REF!	Floating Point	4 bytes		Leaf	
737	07	01	05	02	02	00	00	00	00	Device Relative Position X (metres)	Device Relative Position X	Defined by the X translational position of the camera from a local datum absolute position. Positive values indicate translations in which the camera has physically moved from right to left.	#REF!	Floating Point	4 bytes		Leaf	
738	07	01	05	02	03	00	00	00	00	Device Relative Position Y (metres)	Device Relative Position Y	Defined by the Y translational position of the camera from a local datum absolute position. Positive values indicate translations in which the camera has physically moved to a higher elevation.	#REF!	Floating Point	4 bytes		Leaf	
739	07	01	05	02	04	00	00	00	00	Device Relative Position Z (metres)	Device Relative Position Z	Defined by the Z translational position of the camera from a local datum absolute position. Positive values shall indicate translations in which the camera has physically moved towards the lens.	#REF!	Floating Point	4 bytes		Leaf	
740	07	01	05	03	00	00	00	00	00	Subject Relative Position	Subject Relative Position	The position of the subject depicted in the essence relative to another specified datum	#REF!				Node	
741	07	01	05	03	01	00	00	00	00	Subject Relative Position Accuracy (metres)	Subject Relative Positional Accuracy	The accuracy with which the measurement of relative position of the subject is made	#REF!	Floating Point	4 bytes		Leaf	

FIG.30

742	07	01	07	00	00	00	00	Image Positional Information	Image Positional Information	Positional information relating to a subset of the whole image	\$REF1			Node
743	07	01	07	01	00	00	00	Position Offset X Form Image	Position Offset X Form Image	The x position of a point (or object) within the viewed image relative to the left side.	\$REF1 Shift 6	2 bytes		Type Node
744	07	01	07	02	00	00	00	Position Offset Y Form Image	Position Offset Y Form Image	The y position of a point (or object) within the viewed image relative to the top (or bottom?).	\$REF1 Shift 6	2 bytes		Type Node
745	07	01	07	03	00	00	00	Source image centre x coordinate (pixels)	Source Image Center X Coordinate (X Pixel)	The x position of the centre of the captured (source) image	\$REF1 Shift 6	2 bytes		Type Node
746	07	01	07	04	00	00	00	Source image centre y coordinate (pixels)	Source Image Center Y Coordinate (Y Pixel)	The y position of the centre of the captured (source) image	\$REF1 Shift 6	2 bytes		Type Node
747	07	01	07	05	00	00	00	Viewport image centre x coordinate (pixels)	Viewport Image Center X Coordinate (X Pixel)	The x position of the centre of the viewed image	\$REF1 Shift 6	2 bytes		Type Node
748	07	01	07	06	00	00	00	Viewport image centre y coordinate (pixels)	Viewport Image Center Y Coordinate (Y Pixel)	The y position of the centre of the viewed image	\$REF1 Shift 6	2 bytes		Type Node
749	07	01	10	00	00	00	00	Rate and Direction of Positional Change	Rate and Direction of Positional Change	Information about rate and direction of positional change	\$REF1			Node
750	07	01	10	01	00	00	00	Device Rate and Direction of Positional Change	Device Rate and Direction of Positional Change	Information about rate and direction of positional change of the capturing device	\$REF1			Node
751	07	01	10	01	01	00	00	Absolute Device Rate and Direction of Positional Change	Absolute Device Rate and Direction of Positional Change	Absolute information about rate and direction of positional change of the capturing device	\$REF1			Node
752	07	01	10	01	01	01	00	Device Absolute Speed (metres/sec)	Device Absolute Speed	Defined by the relative velocity of the sensor along the heading. Speed values shall indicate translations in which the capturing device has physically moved.	\$REF1 Floating Point	4 bytes		Type Node
753	07	01	10	01	01	02	00	Device Absolute Heading (degrees)	Device Absolute Heading	Defined by the absolute heading of the sensor. Expressed in degrees and tenths of degrees.	\$REF1 Floating Point	4 bytes		Type Node
754	07	01	10	01	02	00	00	Relative Device Rate and Direction of Positional Change	Relative Device Rate and Direction of Positional Change	Relative information about rate and direction of positional change of the capturing device	\$REF1			Node
755	07	01	10	01	02	01	00	Device Relative Speed (metres/sec)	Device Relative Speed	Defined by the relative velocity of the sensor along the heading. Speed values shall indicate translations in which the camera has physically moved.	\$REF1 Floating Point	4 bytes		Type Node
756	07	01	10	01	02	02	00	Device Relative Heading (degrees)	Device Relative Heading	Defined by the absolute heading of the sensor. Expressed in degrees and tenths of degrees.	\$REF1 Floating Point	4 bytes		Type Node
757	07	01	10	02	00	00	00	Subject Rate and Direction of Positional Change	Subject Rate and Direction of Positional Change	Information about rate and direction of positional change of the subject depicted in the captured essence	\$REF1			Node
758	07	01	10	02	01	00	00	Absolute Subject Rate and Direction of Positional Change	Absolute Subject Rate and Direction of Positional Change	Absolute information about rate and direction of positional change of the subject depicted in the captured essence	\$REF1			Node
759	07	01	10	02	01	01	00	Subject Absolute Speed (metres/sec)	Subject Absolute Speed	Defined by the absolute velocity of the subject along the heading	\$REF1 Floating Point	4 bytes		Type Node

#	C-5 SMPTE Label						Data Element Name	Japanese Names	Data Element Definition	Unit	Type	Value Length	Value Range	Model/Leaf	Defining Document
	07	01	10	02	01	02									
760	07	01	10	02	01	02	Subject Absolute Heading (degrees)	Subject Absolute Heading	Defined by the absolute heading of the subject	#REF!	Floating Point	4 bytes		Type Node	
761	07	01	10	02	02	00	Relative Subject Rate and Direction of Positional Change	Relative Subject Rate and Direction of Positional Change	Relative information about rate and direction of positional change of the subject depicted in the captured essence	#REF!				Node	
762	07	01	10	02	02	01	Subject Relative Speed (metres/sec)	Subject Relative Speed	Defined by the relative velocity of the subject along the heading	#REF!	Floating Point	4 bytes		Type Node	
763	07	01	10	02	02	00	Subject Relative Heading (degrees)	Subject Relative Heading	Defined by the relative heading of the subject	#REF!	Floating Point	4 bytes		Type Node	
764	07	01	11	00	00	00	Angular Specifications	Angular Specifications	Information regarding angles related to positioning information	#REF!				Node	
765	07	01	11	01	00	00	Device angles	Device Angles	Device information regarding angles related to positioning information	#REF!				Node	
766	07	01	11	01	01	00	Sensor Roll Angle (degrees)	Sensor Roll Angle	Specifies the roll angle of the sensor. Expressed in degrees.	#REF!	Floating point	4 bytes		Leaf	
767	07	01	11	01	02	00	Angle to North (degrees)	Angle To North	Angle in degrees from the first row of the image to true north.	#REF!	Floating point	4 bytes		Leaf	
768	07	01	11	01	03	00	Obliquity Angle (degrees)	Obliquity Angle	Obliquity angle of image expressed in degrees. The inverse of sensor depression angle.	#REF!	Floating point	4 bytes		Leaf	
769	07	01	12	00	00	00	Subject angles (degrees)	Subject Angles	Angles relating to the subject depicted in the captured essence	#REF!	Floating point	4 bytes		Leaf	
770	07	01	15	00	00	00	Distance measurements	Distance Measurements	Length measurements relating to distance	#REF!				Node	
771	07	01	15	01	00	00	Device to Subject Distance	Device To Subject Distance From device	Length measurements relating to distance between capturing device and the subject depicted in the captured essence	#REF!				Node	
772	07	01	15	01	01	00	Slant Range (metres)	Angle To Subject	Distance from the sensor to the center point on ground of the framed subject (image) depicted in the captured essence.	#REF!	Floating point	4 bytes		Type Node	
773	07	01	17	00	00	00	Dimensions	Distance	Length measurements relating to size	#REF!				Node	
774	07	01	17	01	00	00	Subject Dimensions	Subject Distance	Length measurements relating to the size of the subject depicted in the captured essence	#REF!				Node	

FIG. 31

775	07	01	17	01	00	00	00	00	00	Target Width	Target Width	Horizontal half width of the target frame image, used to compute the four corner points of the frame.	#REF!	Roaming point	4 bytes	Type Node
776	07	01	17	02	00	00	00	00	00	Essence Position	Essence Position	Length measurements relating to the size of the location in which the essence was captured	#REF!			Node
777	07	01	17	10	00	00	00	00	00	Media Dimensions	Media Dimensions	Length measurements relating to the size of the medium on which the essence was captured	#REF!			Node
778	07	01	17	10	01	00	00	00	00	Physical Media Length (metres)	Physical Media Length	The physical length of the medium on which the essence was captured	#REF!	UMUSBF	4 bytes	Type Node
779	07	01	17	11	00	00	00	00	00	Image Dimensions	Image Dimensions	Length measurements relating to the physical size of the image formed in a capturing device	#REF!			Node
780	07	01	17	11	01	00	00	00	00	Pan and Scan Image Dimensions	Pan and Scan Image Dimensions	Length measurements relating to pan and scan subsetting of a captured image	#REF!			Node
781	07	01	17	11	01	01	00	00	00	Viewport Height	Viewport Height	The height of the viewed area within a captured image	#REF!	Unit 6	2 bytes	Type Node
782	07	01	17	11	01	02	00	00	00	Viewport Width	Viewport Width	The width of the viewed area within a captured image	#REF!	Unit 6	2 bytes	Type Node
783	07	01	20	00	00	00	00	00	00	Abstract Locations	Abstract Locations	Abstract information about position	#REF!			Node
784	07	01	20	01	00	00	00	00	00	Place names	Place Names	Place information	#REF!			Node
785	07	01	20	01	01	00	00	00	00	Gazetteer used	Gazetteer Used	Reference to a formally registered gazetteer or a similar authoritative source of place keywords.	#REF!	ISO 7-bit char	4 chars max	Type Node
786	07	01	20	01	02	00	00	00	00	Place Keyword	Place Keyword	The geographic name(s) of location(s) covered by a data set	#REF!	ISO 7-bit char string	32 bytes max	Leaf
787	07	01	20	01	03	00	00	00	00	Country Codes	Country Code	Country code information	#REF!			Node
788	07	01	20	01	03	01	00	00	00	Object Country Code	Country Code of Disrupting	The code that represents the country depicted in the essence.	#REF!	ISO 7-bit char	4 chars max	Type Node
789	07	01	20	01	03	02	00	00	00	Country code of shoot	Country Code of Shoot	Country where shooting took place	#REF!	ISO 7-bit char	4 chars max	Type Node
790	07	01	20	01	03	03	00	00	00	Country code of Setting (Characterised Place)	Country Code of Setting	The country code of the country where the depicted action is set in the production	#REF!	ISO 7-bit char	4 chars max	Type Node
791	07	01	20	01	03	04	00	00	00	Country code of Copyright License	Country Code of Copyright License	The country code of a country where copyright is licensed	#REF!	ISO 7-bit char	4 chars max	Type Node
792	07	01	20	01	03	05	00	00	00	Country code of IP License	Country Code of IP License	The country code of a country where IP rights are licensed	#REF!	ISO 7-bit char	4 chars max	Type Node

Line #	SMPT Label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
790	07	01	20	01	04	00	Regions	Regions Within A Country		\$REF1			Node	
791	07	01	20	01	04	01	Region of Object	Region Where Object Is Depicted		\$REF1	32 bytes max		Leaf	
792	07	01	20	01	04	02	Region of shoot	Region Where Shooting Took Place		\$REF1	32 bytes max		Leaf	
793	07	01	20	01	04	03	Region of Setting (Characterised Place)	Region Where The Depicted Action Is Set In The Position		\$REF1	32 bytes max		Leaf	
794	07	01	20	01	04	04	Region or area of Copyright License	Region Where Copyright Is Licensed		\$REF1	32 bytes max		Leaf	
795	07	01	20	01	04	05	Region or area of IP License	Region Where IP Rights Are Licensed		\$REF1	32 bytes max		Leaf	
796	07	01	20	01	05	00	Postal Address	Postal Address		\$REF1			Node	
800	07	01	20	01	05	01	Room Number	Room Number		\$REF1	32 bytes max		Leaf	
801	07	01	20	01	05	02	Street Number or Building name	Street Number of Building Name		\$REF1	32 bytes max		Leaf	
802	07	01	20	01	05	03	Street	Street		\$REF1	32 bytes max		Leaf	
803	07	01	20	01	05	04	Postal Town	Postal Town		\$REF1	32 bytes max		Leaf	
804	07	01	20	01	05	05	City	City		\$REF1	32 bytes max		Leaf	
805	07	01	20	01	05	06	State or Province or County	State or Province		\$REF1	32 bytes max		Leaf	
806	07	01	20	01	05	07	Postal Code	Postal Code		\$REF1	32 bytes max		Leaf	
807	07	01	20	01	05	08	Country	Country		\$REF1	32 bytes max		Leaf	

FIG.32

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308	07	01	20	01	06	00	00	00	00	Postal Addresses Depicted In The Setting of a Production	Information about postal addresses depicted in the setting of a production	#REF!			Node
309	07	01	20	01	06	01	00	00	00	Setting Room Number	The room number of a depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
310	07	01	20	01	06	02	00	00	00	Setting Street Number or Building Name	An address line for the depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
311	07	01	20	01	06	03	00	00	00	Setting Street	An address line for the depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
312	07	01	20	01	06	04	00	00	00	Setting Town	An address line for the depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
313	07	01	20	01	06	05	00	00	00	Setting City	The city of the depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
314	07	01	20	01	06	06	00	00	00	Setting State or Province	The state, province or county of the depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
315	07	01	20	01	06	07	00	00	00	Setting Postal Code	The ZIP or other postal code of the depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
316	07	01	20	01	06	08	00	00	00	Setting Country	The country of the depicted address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
317	07	01	20	01	06	09	00	00	00	Setting Description	eg. "A clearing in a wood" or "Falsaff's living room"	#REF!			Type Node
318	07	01	20	01	06	09	01	00	00	Setting Description	eg. "A clearing in a wood" or "Falsaff's living room"	#REF!	ISO 7-bit char string	127 chars max	Leaf
319	07	01	20	01	10	00	00	00	00	Electronic Address	Information about electronic addresses	#REF!			Node
320	07	01	20	01	10	01	00	00	00	Telephone Number	Telephone number	#REF!	ISO 7-bit char string	32 bytes max	Leaf
321	07	01	20	01	10	02	00	00	00	Fax Number	Fax number	#REF!	ISO 7-bit char string	32 bytes max	Leaf
322	07	01	20	01	10	03	00	00	00	E-Mail Address	e-mail address	#REF!	ISO 7-bit char string	32 bytes max	Leaf
323												#REF!			
324	07	02	00	00	00	00	00	00	00	Date and Time	Information about dates and times	#REF!			Node
325	07	02	01	00	00	00	00	00	00	Material Date and Time	Information about dates and times relating to captured material	#REF!			Node

Code	SWIFT Label					Data Element Name	Japanese Names	Data Element Definition	Code	Type	Value Length	Value Range	Node/Leaf	Defining Document
825	07 02 01 01 00 00 00 00					Operational Date-Time Stamps	Operational Date-Time	Operating date and time information (i.e. timecode)	825	REF				
827	07 02 01 01 01 00 00 00					Creation Date-Time stamp	Creation Date-Time	Time stamp for original material	827	REF			Type Leaf	
828	07 02 01 01 01 01 00 00					Creation Date-Time stamp	Creation Date-Time	Time stamp for original material	828	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
829	07 02 01 01 02 00 00 00					Last modified Date-Time stamp	Last Modified Date-Time	Time stamp for last modification of material	829	REF			Type Leaf	
830	07 02 01 01 02 01 00 00					Last modified Date-Time stamp	Last Modified Date-Time	Time stamp for last modification of material	830	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
831	07 02 01 01 03 00 00 00					User defined Date-Time stamp	User Defined Date-Time	Time stamp application defined by user application	831	REF			Type Leaf	
832	07 02 01 01 03 01 00 00					User defined Date-Time stamp	User Defined Date-Time	Time stamp application defined by user application	832	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
833	07 02 01 02 00 00 00 00					Absolute Date and Time	Absolute Date and Time	Absolute date and time information	833	REF			Node	
834	07 02 01 02 01 00 00 00					Start Date Time	Production Start Date Time	Absolute time at start of creating the shot or clip	834	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
835	07 02 01 02 02 00 00 00					End Date Time	Production End Date Time	Absolute time at end of creating the shot or clip	835	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
836	07 02 01 02 03 00 00 00					Segment Start Date and Time	Segment Start Date and Time	Absolute time at the start of a segment within a shot or clip	836	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
837	07 02 01 02 04 00 00 00					Segment End Date and Time	Segment End Date and Time	Absolute time at the end of a segment within a shot or clip	837	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
838	07 02 01 03 00 00 00 00					Relative Date and Time	Relative Date and Time	Relative date and time information	838	REF			Node	
839	07 02 01 03 01 00 00 00					Start Date Time	Media Start Date Time	Media time at start of shot or clip	839	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
840	07 02 01 03 02 00 00 00					End Date Time	Media End Date Time	Media time at end of shot or clip	840	REF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	

FIG.33

841	07	02	01	03	00	00	00	00	00	Segment Start Date and Time	Media time at the start of a segment within a shot or clip	#REF!	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
842	07	02	01	03	00	00	00	00	00	Segment End Date and Time	Media time at the end of a segment within a shot or clip	#REF!	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
843	07	02	02	00	00	00	00	00	00	Time Durations	Information about time durations relating to captured material	#REF!				Node
844	07	02	02	01	00	00	00	00	00	Absolute Time Durations	Absolute time duration information	#REF!				Node
845	07	02	02	01	00	00	00	00	00	Time Duration	Length of the content in Time units.	#REF!	ULSBF	4 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
846	07	02	02	01	02	00	00	00	00	Segment Duration	Duration of a segment within a shot or clip in Time units	#REF!	ULSBF	4 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
847	07	02	02	01	03	00	00	00	00	Frame Count	Length of the content in film frames.	#REF!	ULSBF	4 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
848	07	02	02	01	04	00	00	00	00	Segment frame count	Duration of a segment within a shot or clip in film frames	#REF!	ULSBF	4 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
849	07	02	02	01	05	00	00	00	00	Textless black duration	eg. 1 minutes after end of programme	#REF!	ULSBF	4 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
850	07	02	02	02	00	00	00	00	00	Relative Durations	Relative time duration information	#REF!				Node
851	07	02	02	02	01	00	00	00	00	Time Duration	Relative length of the content in Time units.	#REF!	ULSBF	4 bytes		Leaf
852	07	02	02	02	02	00	00	00	00	Segment Duration	Duration of a segment within a shot or clip in Time units	#REF!	ULSBF	4 bytes		Leaf
853	07	02	02	02	03	00	00	00	00	Frame Count	Length of the content in film frames.	#REF!	ULSBF	4 bytes		Leaf
854	07	02	02	02	04	00	00	00	00	Segment frame count	Duration of a segment within a shot or clip in film frames	#REF!	ULSBF	4 bytes		Leaf
855	07	02	03	00	00	00	00	00	00	Rights Date and Time	Dates and Times relating to Copyright and Intellectual Property Rights	#REF!				Node
856	07	02	03	01	00	00	00	00	00	Copyright Date and Time	Dates and Times relating to Copyright	#REF!				Node
857	07	02	03	02	00	00	00	00	00	IP Rights Date and Time	Dates and Times relating to Intellectual Property Rights	#REF!				Node
858	07	02	03	02	01	00	00	00	00	License Start Date and Time	License start date and time	#REF!	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf

Line #	SMPT Label					Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Model/Leaf	Defining Document
359	07	02	03	02	01	00	Option start date and time	Option Start Date and Time	Option start date and time	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
360	07	02	03	02	02	00	License end date and time	License End Date and Time	License end date and time	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
361	07	02	03	02	02	00	Option end date and time	Option End Date and Time	Option end date and time	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
362	07	02	04	00	00	00	Rights Durations	Rights Durations	Information about the duration of a copyright or Intellectual Property license	#REF!			Node	
363	07	02	04	01	00	00	Copyright Durations	Copyright Durations	Information about the duration of a copyright license	#REF!			Node	
364	07	02	04	02	00	00	IP Rights Durations	IP Rights Durations	Information about the duration of an Intellectual Property license	#REF!			Node	
365	07	02	04	02	01	00	License duration	License Duration	Information about the duration of a license	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
366	07	02	04	02	02	00	Option duration	Option Duration	Information about the duration of a license	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
367	07	02	05	00	00	00	Cataloguing Date and Time	Cataloguing Date and Time	Information about cataloguing and indexing	#REF!			Node	
368	07	02	05	01	00	00	Creation Date and Time	Creation Date and Time	The creation date and time of the data set	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
369	07	02	05	02	00	00	Last Modified	Last Modified Date	Date and time of last modification	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
370	07	02	06	00	00	00	Event Date and time	Event Date and Time	Date and Time information relating to events	#REF!			Node	
371	07	02	06	01	00	00	Absolute Date and Time	Absolute Event Date and Time	Absolute Date and Time information relating to events	#REF!			Node	
372	07	02	06	01	01	00	Absolute start times	Absolute Event Start Times	Absolute Date and Time information relating to the start of events	#REF!			Node	
373	07	02	06	01	01	00	Project Mission Start Date and Time	Project Start Date and Time	The absolute beginning date and time of the project or mission	#REF! ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	

FIG. 34

874	07	02	06	01	01	02	00	00	00	Scene Start Date and Time	The absolute beginning date and time of the scene, or shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
875	07	02	06	01	01	03	00	00	00	Shot Start Date and Time	The absolute beginning date and time of the shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
876	07	02	06	01	01	10	00	00	00	Broadcast Start Date and Time	Absolute start date and time of a specific broadcast	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
877	07	02	06	01	02	00	00	00	00	Absolute end Times	Absolute Date and Time information relating to the end of events	AREA				Node
878	07	02	06	01	02	01	00	00	00	Project End Date and Time	The absolute ending date and time of the project or mission	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
879	07	02	06	01	02	02	00	00	00	Scene End Date and Time	The absolute ending date and time of the scene, or shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
880	07	02	06	01	02	03	00	00	00	Shot End Date and Time	The absolute ending date and time of the shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
881	07	02	06	01	02	10	00	00	00	Broadcast End Date and Time	Absolute end date and time of a specific broadcast	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
882	07	02	06	02	00	00	00	00	00	Relative Date and Time	Relative Date and Time information relating to events eg Two days and five hours after *	AREA				Node
883	07	02	06	02	01	00	00	00	00	Relative start Times	Relative Date and Time information relating to the start of events	AREA				Node
884	07	02	06	02	01	01	00	00	00	Project Mission Start Date and Time	The relative beginning date and time of the project or mission	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
885	07	02	06	02	01	02	00	00	00	Scene Start Date and Time	The relative beginning date and time of the scene, or shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
886	07	02	06	02	01	03	00	00	00	Shot Start Date and Time	The relative beginning date and time of the shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
887	07	02	06	02	01	10	00	00	00	Broadcast Start and Time	Relative start time of a specific broadcast within a parent programme	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
888	07	02	06	02	02	00	00	00	00	Relative end Times	Relative Date and Time information relating to the end of events	AREA				Node
889	07	02	06	02	02	01	00	00	00	Project End Date and Time	The relative ending date and time of the project or mission	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
890	07	02	06	02	02	02	00	00	00	Scene End Date and Time	The relative ending date and time of the scene, or shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf
891	07	02	06	02	02	03	00	00	00	Shot End Date and Time	The relative ending date and time of the shot	AREA	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf

Line #	SHIPT Label	Line #	Line #	Line #	Line #	Data Element Name	Japanese Names	Data Element Definition	Line #	Type	Value Length	Value Range	Node/Leaf	Defining Document
892	07 02 02 05 02 02 10 00 00					Broadcast End Time	Relative Broadcast End Time	Absolute end time of a specific broadcast within a parent programme	#REF!	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
893	07 02 02 07 03 00 00 00 00					Event Durations	Event Durations Information	Duration information relating to events	#REF!				Node	
894	07 02 07 01 00 00 00 00 00					Absolute Durations	Absolute Durations Information	Absolute duration in time units	#REF!				Node	
895	07 02 07 01 01 00 00 00 00					Time Duration	Time Duration	The absolute duration of an event	#REF!	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
896	07 02 07 02 00 00 00 00 00					Relative Durations	Relative Durations	Relative duration in time units	#REF!				Node	
897	07 02 07 02 01 00 00 00 00					Time Duration	Time Duration	The relative duration of an event	#REF!	ULSBF	8 bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
898	07 02 08 03 00 00 00 00 00					Editing Date and Time	Editing Date and Time		#REF!				Node	
899	07 02 08 01 00 00 00 00 00					Length	Edit Length	Duration in edit units of essence	#REF!	Length	8 bytes		Leaf	W25.52
900	07 02 08 02 00 00 00 00 00					Position	Edit Position	Specifies time event starts	#REF!	Position	8 bytes		Leaf	W25.52
901	07 02 08 03 00 00 00 00 00					Start Time	Start Time	Specifies relative start time	#REF!	Position	8 bytes		Leaf	W25.52
902	07 02 08 04 00 00 00 00 00					FadeIn Length	FadeIn Length	Specifies length of audio fade in	#REF!	Length	8 bytes		Leaf	W25.52
903	07 02 08 05 00 00 00 00 00					FadeOut Length	FadeOut Length	Specifies length of audio fade out	#REF!	Length	8 bytes		Leaf	W25.52
904	07 02 08 06 00 00 00 00 00					Cut Point	Cut Point Standard	Specifies the cutpoint	#REF!	Position	8 bytes		Leaf	W25.52
905	07 02 08 07 00 00 00 00 00					Time	Time Standard	Specifies time	#REF!	Rational	8 bytes		Leaf	W25.52
906	07 02 08 08 00 00 00 00 00					Last Modified	Last Edit Date	Specifies the date the container was last modified	#REF!	TimeStamp			Leaf	W25.52

FIG.35

907	07	02	08	09	00	00	00	00	00	00	LastModified	ID of Last Edit Result	Identifies time mob was last modified	#REF!	TimeStamp	Leaf	W25.52
908	07	02	08	0A	00	00	00	00	00	00	CreationTime	Date and Time of Last Production	Identifies time mob was created	#REF!	TimeStamp	Leaf	W25.52
909	07	02	08	0B	00	00	00	00	00	00	DefaultFadeLength	Speech Soft Cut Default Standard	Specifies the default length of audio soft cuts	#REF!	Length	Leaf	W25.52
910	07	02	08	0C	00	00	00	00	00	00	DefFadeEdtUnit	FadeIn Default Standard	Specifies time units for Default fade length	#REF!	Rational	Leaf	W25.52
911	07	02	08	0D	00	00	00	00	00	00	EventMobSlot_EdtRate	Event Time Unit Standard	Specifies the time units for the slot	#REF!	Rational	Leaf	W25.52
912	07	02	08	0E	00	00	00	00	00	00	TimelineMobSlot_EdtRate	Slot Time Unit Standard	Specifies the time units for the slot	#REF!	Rational	Leaf	W25.52
913	07	02	08	0F	00	00	00	00	00	00	Identification_Date	Last Modified Date	Specifies the date the container was modified by application	#REF!	TimeStamp	Leaf	W25.52
914	07	02	08	10	00	00	00	00	00	00	Origin	Starting Offset for The Slot	Specifies the starting offset for the slot	#REF!	Position	Leaf	W25.52
915	07	02	10	00	00	00	00	00	00	00	Process Date and time	Date and Time of Process	Date and Time information relating to Process	#REF!		Node	
916	07	02	10	01	00	00	00	00	00	00	Technical Modification date and time	Date and Time of Technical Modification	The date and time of a purely technical modification, not affecting editorial material	#REF!	UILSBF	Leaf	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first
917	07	02	10	02	00	00	00	00	00	00	Editorial Modification date and time	Date and Time of an Editorial Modification	The date and time of an editorial modification	#REF!	UILSBF	Leaf	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first
918	07	02	10	03	00	00	00	00	00	00	Broadcast Date and Time	Date and Time of a Broadcast	The date and time of a Broadcast	#REF!	UILSBF	Leaf	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first
919	07	02	10	04	00	00	00	00	00	00	Cessation Date and Time		Earliest allowed time for destruction of a specific recording/physical copy	#REF!	UILSBF	Leaf	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first
920	07	02	20	00	00	00	00	00	00	00	Setting Date and Time (Characterised Time Period)	Setting Date and Time	Time period(s) characterized by the data set	#REF!		Node	
921	07	02	20	01	00	00	00	00	00	00	Time period Keyword Thesaurus	Keyword Validity	Reference to a formally registered thesaurus or a similar authoritative source of temporal keywords.	#REF!	ISO 7-bit char string	Leaf	32 bytes max
922	07	02	20	02	00	00	00	00	00	00	Time period Keyword	Time Period Keyword	The name of a time period covered by a data set. Eg Categorical	#REF!	ISO 7-bit char string	Leaf	32 bytes max
923	07	03	00	00	00	00	00	00	00	00	Delay	Delay	Information about Delay durations	#REF!		Node	
924	07	03	01	00	00	00	00	00	00	00	Encoding/Decoding	Encoding/Decoding Information	Information about delay durations in encoding or decoding processes	#REF!		Node	

Line #	Label	Data Element Name	Japanese Names	Data Element Definition	Line #	Value Length	Value Range	Model/Leaf	Defining Document
925	07 03 01 01	Encoding Delay	Encoding Delay Time	Information about delay durations in encoding processes	#REF!			Node	
925	07 03 01 02	Decoding Delay	Decoding Delay Time	Information about delay durations in decoding processes	#REF!			Node	
927	07 03 01 02	Buffer Delay	Buffer Delay Time	Buffer delay per definition in SDI-CP (CSM)	#REF! as per standard			Leaf	
928	07 04 00 00	Latency	Latency Information	Information about response times	#REF!			Node	
929	07 05 00 00	Temporal shape (Shuttering etc) (PLACEHOLDERS)	Information About Temporal Characteristics	Information about temporal characteristics of processes	#REF!			Node	
930	07 05 01 00	Shutter characteristics (placeholder)	Shutter Characteristics	Shutter characteristics	#REF!			Node	
931	07 05 02 00	Shutter speed (placeholder)	Shutter Speed	Shutter speed	#REF!			Node	
932	07 06 03 00	Shutter Gating (placeholder)	Shutter Gating Characteristics	Shutter Gating characteristics	#REF!			Node	
933	0E 00 00 00	USER ORGANISATION REGISTERED	Class 14 User Data	Class 15 is reserved for user organisation registered metadata	#REF!			Node	
934	0E 01 00 00	Publicly registered user organisation metadata	Co-Used Registered Metadata		#REF!			Node	
935	0E 02 00 00	Privately registered user organisation metadata	Private Metadata		#REF!			Node	
935	0E 02 01 00	DoD Metadata	Metadata for U.S. Department of Defense Agencies	Metadata for U.S. Department of Defense agencies.	#REF!			Node	
937	0E 02 02 00	UAV Metadata	UAV Metadata	UAV Metadata	#REF!			Node	
938	0E 02 03 00	RQIA Metadata	RQIA Metadata	RQIA Metadata	#REF!			Node	
939	0E 02 03 01	RQIA Closed Caption Set	RQIA Metadata From RQIA Closed Caption	RQIA Metadata Set containing metadata information from analog closed caption	#REF!			Node	
940	0F 00 00 00	EXPERIMENTAL METADATA	Class 15 Experimental Metadata	Class 15 Metadata is for experimental metadata. Users may create their own structures consistent with the metadata Encoding standard.	#REF!			Node	

FIG.36



FIG. 37

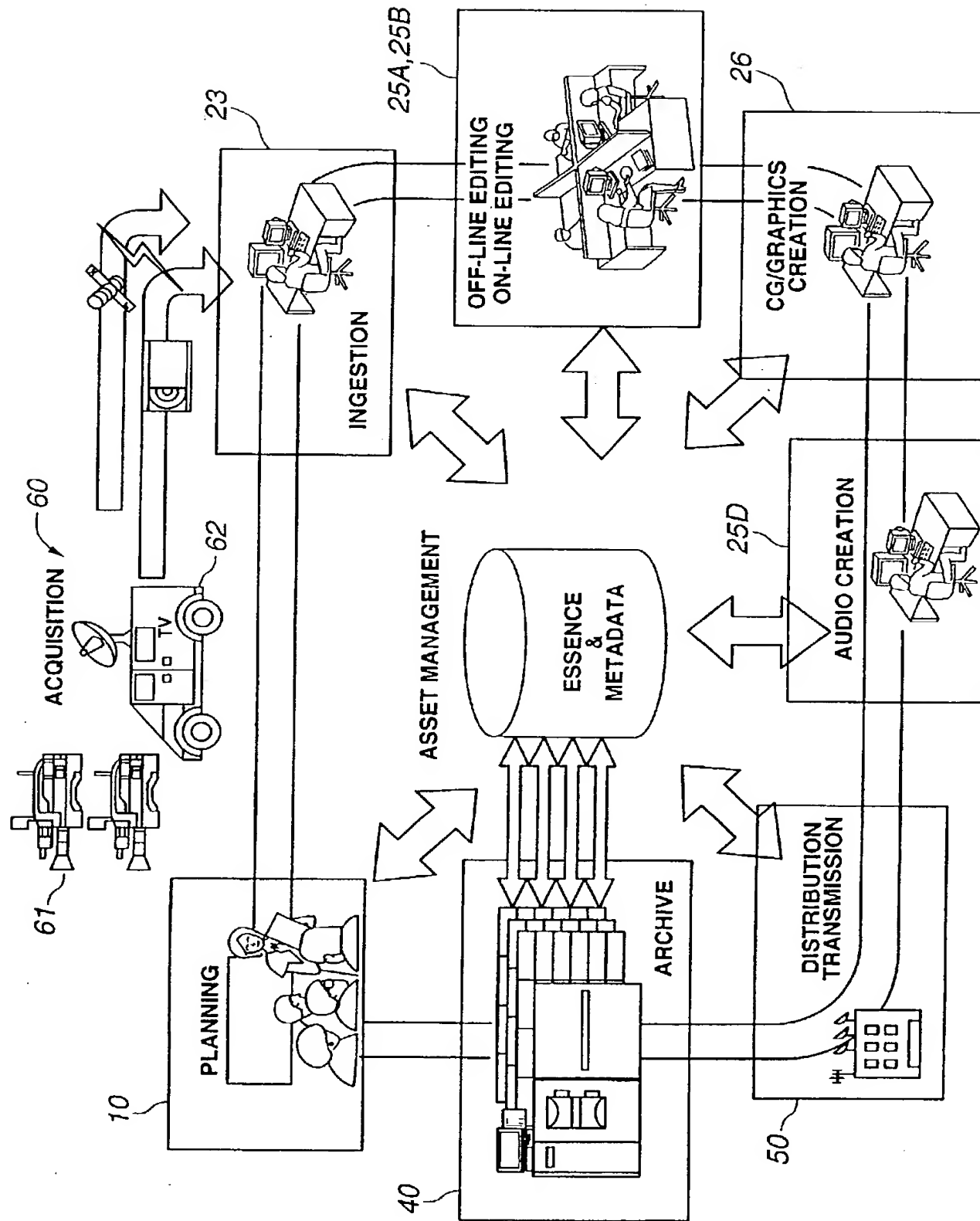


FIG.38

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FIG. 39